



UNIPLEX

Business Software

Release Notes

Version 9.10

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On-line versions of all Uniplex documentation are available on our Web site as PDF files for viewing/printing at:

<http://www.uniplex.com/ubs/documentation.htm>

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Introduction

This document accompanies the Uniplex Business Software Version 9.10 release and should be read in conjunction with the relevant portions of the Uniplex user guides and on-line technical guides.

If you are upgrading from a version of Uniplex Business Software older than Version 9.00 it is strongly recommended that you review the release notes of the intermediate releases, to see if any of the changes made will affect your installation or working practices.

The Version 8.10 and 9.00 release notes are available on-line. If you are upgrading from Version 7.02, you should also obtain a copy of the 8.00 release notes, and if you are upgrading from Version 7.01, you should also obtain a copy of the 7.02 release notes.

As part of the Version 8.10 release, a User Guide Supplement was available detailing the new and enhanced features in that release. Your users could refer to that User Guide Supplement for the details of the new features and user interface changes made under Version 8.10. These changes were incorporated into the V9.00 edition of the *Uniplex Business Software User Guide*.

With the exception of the Uniplex Installation Guide, the Uniplex technical guides are no longer available in printed form; the information they contained is now in a number of on-line manuals which are free with the product. These release notes document the configuration changes and précis the changes at a functional level. However, details of the user interface and examples of the use of these features are covered in the *UNIPLEX II PLUS User Guide*.

It is assumed that you are conversant with your operating system and are competent to alter system files using the Uniplex Word Processor or a system editor; if this is not the case, do not attempt any of the tasks detailed in this document.

Although this document is produced by Uniplex Software, Inc., if it has come to you by way of your dealer or distributor, they should always be contacted for any further information.

Each copy of Uniplex is accompanied by a Release Note Supplement (normally included as an appendix to the Installation Guide) which can include important information concerning the installation and operation of Uniplex on your particular computer. Please read the Release Note Supplement before reading this document.

Further information about Uniplex, and its products, particularly UBS, can be accessed on our website at <http://www.uniplex.com>.

Product Status Records Numbers

All changes to Uniplex are recorded and controlled using a database of Product Status Records (PSRs), which are used extensively in this document.

The appendix *Changes made in Version 9.10* lists appropriate records in PSR number order within alphabetically sorted topic areas.

To simplify looking them up in the appendix, when a PSR reference is quoted in the main sections, it is shown in the form: PSR XX:99999

where:

XX is the topic code

99999 is the number

For example, PSR WP:33858 is towards the end of the list.

Documentation Set

The following printed documentation is available:

- UBS User Guide V9.00 Vols 1 - 5
- UBS User Guide Supplement V9.10
- UBS V9.10 Installation Guide

✎ *An updated User Guide incorporating the V9.10 Supplement will be produced at a later time.*

In addition, the following on-line documentation is available:

- Uniplex Technical Guide
- Uniplex Device Configuration Guide
- Uniplex Form-Building Tools Guide
- Uniplex Spreadsheet Converter Functional Specification
- Uniplex Quick Reference Pages - Portrait and Landscape
- Shortcut Keys Keystrip
- These Release Notes
- The Release Notes for Uniplex V9.00
- The Release Notes for Uniplex V8.10

The on-line guides contain the information previously found in the printed Uniplex technical guides. These printed guides are no longer available; the information from them has been distributed as follows:

- o **Uniplex Technical Guide:** The bulk of the Uniplex Configuration Guide can now be found in this guide. Relevant parts of the Administration Guide can also be found here.

You should refer to the appendix *Program Usage and Invocation* for up-to-date information on the Uniplex programs in this release.

- o **Uniplex Form Building Tools Guide:** The greater part of the Uniplex Administration Guide can now be found in this guide.
- o **Uniplex Device Configuration Guide:** The chapters: "Configuring Terminals" and "Configuring Printers" from the Uniplex Configuration

Guide can now be found in this guide. Relevant parts of the Uniplex Windows Configuration Guide can also be found here.

The on-line documentation, including these Release Notes, can be accessed as follows:

- From the System Administration menu or the Help menu in File Manager, select **On-line Documentation**.

The On-line Documentation screen appears from which you can choose to read a document with the Uniplex Word Processor, or print all or a range of pages of a document.

User Interface Notes and Changes

This release of Uniplex has introduced new and enhanced features. The user interface changes are described briefly below. Refer to the *Uniplex Business Software User Guide Supplement Version 9.10* for further details.

Electronic Mail

The main change to Electronic Mail is the addition of an Internet Message Access Protocol (IMAP) server. This allows an IMAP client (for example, Eudora, Microsoft Outlook, Microsoft Outlook Express, Netscape Communicator, Pine, or Solaris dtmail) to read mail held in the Uniplex mail store. The client must be configured with the network address of the system on which Uniplex is running and with the Unix userid and password of a Uniplex user. See the instructions for each specific IMAP client.

There are also some changes to the character terminal interface, including extra options when replying to or forwarding a message.

New Datalinks Module

The Datalinks module has been reintroduced to take advantage of the distributed nature of popular, enterprise-class databases including Computer Associates' Ingres, Oracle, and Informix-SE and Dynamic Server.

The Datalinks module allows the familiar, easy-to-use features of Uniplex Database Forms, Uniplex Database Query and Uniplex Report Writer to interrogate, modify, and add to data in complex databases, even when those databases may reside on different systems under different architectures.

The Uniplex-supplied Informix-SE V5.10 database is still included in Uniplex V9.10, along with the older Informix-SE V2 database.

onGO Office Character Client

The onGO character client is not included in this release, but those released with V8.xx will continue to work when V9.10 is installed as an upgrade.

The New Euro Currency Sign

The new European currency is the 'euro' and the sign for a euro looks like a C with an equals sign ('=') in the middle. This is assigned the character code 128 within Uniplex. In 1999, the International Organization for Standardization announced a new character set (called ISO 8859/15 or Latin 9) which may replace the use of ISO 8859/1. In this set, the euro sign is given the code value 164. The reasons for Uniplex using the value 128 are:

- It is the value that Uniplex has been recommending since 1997.
- It was not previously used in Uniplex default configurations, so the value should not occur in existing documents.
- The ISO 8859/15 character set includes more changes than just the euro sign. Eight of the ISO 8859/1 characters have been removed and replaced by new characters, notably the quarter, half and three-quarters symbols have been replaced by OE, oe and Y-diaeresis. So if Uniplex were changed to be based on ISO 8859/15, documents containing these symbols would be wrongly printed (Uniplex does not track character sets by document).
- Microsoft uses the value 128 for the euro sign. Therefore it is likely that terminal emulators or other applications running under Windows 98 will interpret a euro sign in Uniplex documents correctly.

Only a few terminals and printers directly support the euro sign, and these will require customization of the Uniplex configuration to map the characters. By default, the sequences Esc % E and F20 = E are mapped on input to the euro sign, terminals will display an inverse video 'e', and printers will print 'EUR' (the standard currency code for the euro). The driver for PostScript printers is already configured to print euro signs. See the **Administration and Configuration Notes and Changes** section below for more details on configuring other devices.

Converters

There are three new converters plus some general improvements.

tiff2rgp allows TIFF format graphics files to be converted to RGIP files that can be included in a Word Processor document by using the .GR command. Not all TIFF files can be converted (for example, some color images or compressed files cannot be read) but the converter should be sufficient for including logos and scanned signatures into documents.

ussto123 allows Uniplex spreadsheets to be exported in Lotus 1-2-3 format (.wk3 or .wk4). The .wk3 format can also be read by Microsoft Excel. This converter is available within the Spreadsheet as well as in the File Manager. A detailed description is in the On-line Converter Guide.

w4w108f allows HTML documents to be converted to other formats as listed in the **Conversion Filters** section below.

Word Processor

The undo command (**Esc U** in English) has been made more reliable. In some earlier releases, it would often change the document to a state it had not been in before. This has been corrected. The mode of use is the same as before (so only the last "change" can be undone).

The abbreviation period hard character (**Esc % .**) is now displayed and printed as a dot by default. This can be used to print a dot without the following space being converted to two spaces after reformatting. In earlier releases, it was only printed on a few devices.

Configuration Checks on First Invocation

You may have local (\$HOME/UAP) configuration files based on an earlier version if you are upgrading from a prior release. These can affect the functionality of Version 9.10 and may generate warnings during the upgrade process. This check and warning are controlled by the content of the file **.UAP** in your home directory.

The most common files that generate a warning are shown below. You can probably continue using them without a problem unless stated otherwise.

*.sk	Local compiled softkey files mean that some softkeys may not operate correctly.
uniplex.menu	A local menu file means that some new menu options will not be seen and some old ones may not work.
db/interfaces	The structure and content of this changed significantly in Version 8.10. Unless you remove this file, you are likely to have problems using Informix databases, and the File Manager will refuse to start with the message: <code>File Manager initialization failed.</code>
uc/issi.rc	This is the compiled version of the file uc/issidefs; it is not compatible across Uniplex releases. The central version of this file is always re-compiled on upgrade, but any users with a local version (for example, to set

a larger number of ROWS and COLS) will not be able to run. To re-compile this file, use the Shell Command on the main menu, enter the following command, and press **Return**:

```
cd $HOME/UAP/uc; ucblid issidefs
```

umail/umail.rc

In Version 9.00 the MIME interface has added an extra section, and a new SYSMODE option. If the parallel changes are not made to this local copy, then the user will not be able to send mail out through the MIME Gateway.

*.ui
general/*.cmp
general/*.idx

These files contain the user interface and help definitions for the File Manager. Local versions that differ from the central ones can cause this application to fail.

uniplex.sys

This file defines general system keywords for the entire product. In Version 7, uniplex.sys files set DATEMODE to C00 which causes dates entered with a 2-digit year to be interpreted in the range 1900-1999. To change to the default range (1941-2040), remove the characters C00 from the DATEMODE string. To re-compile this file, use the Shell Command on the main menu, enter the following command, and press **Return**:

```
syscomp -s
```

Installation Changes

The installation and upgrade processes are described in the Uniplex Version 9.10 Installation Guide. There have been no significant changes from the V9.00 installation process.

The Uniplex Business Software installable units are:

- Uniplex II Plus (BASE) (includes Uniplex Windows)
- Advanced Office System (AOS)
- Advanced Graphic System (AGS)
- Additional Dictionary Pack (ADP)
- Additional Peripherals Pack (APP)
- Datalinks (DL)
- Converters (CONV)

Uniplex Windows is no longer an installable or licensable module; the `uterm` and `uxspawn` display manager are now part of the BASE product.

Advanced Graphics System (AGS) no longer requires a license; this module is now part of the BASE product. During installation, there is an option to not install AGS (although it can be added later, if required).

Support for CD installation (where available).

If there is no IMAP server already installed on the system, the Uniplex IMAP server is installed automatically as part of AOS. The system files which are modified are `/etc/services` and `/etc/inetd.conf`.

Demonstration Mode Restrictions

Demonstration Mode restrictions apply when running Uniplex without a valid license key. The only change from previous releases is that the new IMAP server only allows four messages to be read per mailbox. The complete list of Demonstration Mode restrictions is shown in the following table.

Product Area	Restriction
Word Processor	Can only save 24 lines of text.
Spreadsheet	Cannot save any work, and can only read spreadsheets from "list" files.
Database	Can only select 50 records.
Mail	Can only mail to yourself using character client. Can only read 4 messages per mailbox using IMAP client.
Presentation Graphics	Cannot save any work.
Presentation Editor	Cannot save any work.
Graphics Printing	Cannot print high resolution graphics.
Time Manager	Cannot make bookings more than two days in the future.
Spell Checker	Cannot perform multi-lingual spell corrections without an ADP license.
File Manager	Cannot move, rename, or delete. A search can find no more than 50 records. Also, without a Document Access license: <ul style="list-style-type: none">- File Conversion is disabled.- You cannot use the ufilepps utility to define symbolically-linked (and other multiple path) directories.- Only the Home, Trashcan, Named, and Parent options can be used from the Open Folder dialogue. Other options, such as Personal Templates and Word Processing Keytapes, may be visible, but cannot be selected.

Notes on Upgrading

Moving UBS onto a New System

General

Customers often request both an upgrade to the current release and a change of platform. It is far preferable to first upgrade the copy of Uniplex on the old platform to the current release, then install another copy of Uniplex at this current release on the new platform, and finally move the data files and any custom configuration changes to this new platform. This is sometimes not possible if the old platform is a discontinued system and a current copy of Uniplex is not available for it. That means a new installation must be performed on the new system and no upgraded files (as prepared by the standard upgrade utilities) will be available to move from the old system. It is still possible to both upgrade and switch platforms, but much more of the work must be done manually.

This section discusses all of the main issues to be considered when performing a system upgrade and how they must be dealt with manually if an automatic upgrade cannot be performed or if additional issues remain after such an upgrade has been done.

Configuration Files

The existing configuration should not be used as moving older configuration files to a new system will corrupt it. The best plan is to superimpose any customer-built features onto the new menus, softkeys, etc. Customers must realise that attempting to use .fn, .sk, .rc, .sys, .msg, etc. files from the old version will cause significant problems.

Customers typically change one or more of the following (in order of frequency):

- o **Menus.** A standard Uniplex installation builds a file called uniplex.menu which holds all of the menus that are seen by users. This is the most common area which is altered. Alterations include:

- **Removing Menu Options** - Done for practicality or for security (i.e., to stop users from wandering into areas that management wants to keep secure).
- **Adding New Options** - Calling custom-designed Screen Builder applications, calling entirely new applications (e.g., companies often use Uniplex as an in-house menu system), or calling Uniplex functions with custom parameters.
- **Altering Existing Options** - For example, to change to a new directory before executing the Spreadsheet.

All of these changes are effectively lost when an upgrade takes place (*actually, any files that differ are saved in a special area in the Uniplex tree*). For this reason (and for others) we suggest that if possible, new versions should be run in parallel for a while so that custom changes can be migrated at the integrator's pace.

- o **Softkeys.** Softkeys are the functions that are called from the Function Keys. Like menus, softkeys are altered to remove, alter, or add options. Unlike the menu file there is one softkey file for each module and these files are compiled. Softkey files are a bit more complex to alter than menus, but are still a common configuration issue.
- o **Screen Builder (ufill) Screens.** ScreenBuilder screens are used throughout the Uniplex product and some customers feel the need to alter them to their own taste (i.e., altering print screens to only allow certain options).
- o **uniplex.sys, umail/umail.rc, uc/issidefs, dbs/interfaces.** These files are designed to be altered to a customer's needs and are very simple to re-engineer.

The only way to find out if configuration files have been changed is to compare the current files against the original virgin copies (which may be hard to find without doing a new install of the old software somewhere else) using the Unix diff utility. Again, we strongly recommend that the two systems be run in parallel for an extended period until every user is sure that all existing functionality has been converted. This is also a good opportunity to

review the changes that have accrued over the years and to ensure that it is really appropriate to continue bringing them forward.

Mail Store

Mail should continue to perform as normal once the data files are transferred.

Device Drivers

Changes/additions are often made to the device driver files (definitions for terminals, printers, and plotters) over the years. These driver configuration changes can be a little tricky to migrate and may require some custom consulting work from Uniplex.

Database Files

There is the potential that under some circumstances (particularly with high-level numeric fields), databases may not move between dissimilar systems and the database may need to be exported to ASCII files from the older system using the dbexport utility, then those files imported into the new machine's new database. This would be particularly true if the old system uses an Informix Version 2.xx database and the new system is Informix 5.xx or 7.xx. This is an unusual situation and occurs rarely, if ever.

Card Index

The .sch files for the Card Index are not portable between platforms. This can be a problem when upgrading to a new platform, which is the opposite-endian to the old machine, for example, from an Intel based architecture, to a Sparc based one. (PSR CI:33998)

A example of a workaround for the To-Do list is:

On the new machine, run To-Do to create a new todo.sch file and empty todo.dat and todo.idx files. Then copy the real todo.dat and todo.idx files from the old machine to the new machine.

Folio System

Folios will be lost if an upgrade is not performed using the standard installation procedure or the original release is prior to Version 7.02. The only way to handle this is to manually input any desired Folio information into File Manager on the new system. Folios have not been heavily used by most customers so this is not usually a major issue. An experimenter might like to investigate how the installation tool `.../UAP/install.cmds/ufmbuild` could be used in combination with a copy of the old folios database (`.../UAP/.ufo*`). The commands:

```
/usr/bin/uniplex -run ufmbuild -u
```

which transfers data from the Folios system to the File Manager's index database and:

```
/usr/bin/uniplex -run ufmscan -r -a
```

which tidies up the index database, in particular removing entries for files that do not exist on the system, are recommended in the Installation Guide. The extraction uses the `ufomanager` program to read the old folios database. The Program Usage section of the On-Line Technical Guide can tell you more about these programs.

Time Manager

The `diary.alarms` file should be deleted if the system name is changing, but that should not be a problem. Systems with Time Manager will need a simple script to update the `diary/diary/<username>.env` files to reflect the correct system name.

Spreadsheets

A spreadsheet file is stored in the new Uniplex Portable Save File (PSF) format once it has been saved in Uniplex Version 8.10 or later. This applies to both new spread-sheets that have first been created in Version 8.10+ and also to existing spreadsheets created in an earlier version of Uniplex but opened and resaved in Version 8.10+. A PSF format spreadsheet file is a special format designed to be completely portable across hardware systems of different architectures.

New spreadsheets created in Uniplex Versions 7.02 through 8.00 are also stored in PSF format, but older spreadsheets opened and resaved in those releases are maintained in their original, non-portable format (OLD). They may be moved to the new format by either saving them in Version 8.10+ or by saving them in Versions 7.02-8.00 under a new file name. This creates a new file and uses the new PSF format. The original file in OLD format should then be deleted and the new file renamed to the original file name.

The format of a spreadsheet file may be checked by selecting Work-sheet/Modes/General which shows the Spreadsheet Details display. An entry in the <FILES> section shows the current save file name, if any, and indicates whether the PSF or OLD format is to be used for the next save operation.

A system running at Uniplex Version 7.01 or earlier will have completely non-portable spreadsheets which must be converted before changing systems. We can provide tools to automate most of the spreadsheet migration process so that spread-sheets are converted in bulk and moved as a block. This involves writing out each spreadsheet to an ASCII file as a macro (List File) which simply lists the individual commands and data elements. Each spreadsheet macro is then opened on the new system, rebuilt into a complete spreadsheet, and then saved in the new PSF format.

Note that beginning with Version 7.02 the Ucalcformat variable defines the format in which spreadsheets are saved and may be set to either the new PSF format or the non-portable OLD format. It is important to ensure that this variable has been set to use the PSF format before doing a conversion and discovering that the non-portable OLD format has been in use.

Dictionaries

The UBS Version 9.00 release included upgrades to all three dictionary classes which means that the internal binary formats are not compatible with UBS releases prior to Version 9.00.

The upgrade process replaces the older versions of any Uniplex-supplied dictionary files but will preserve any user-created supplementary verification files (which are named ve???[b-z]51.lex, but not ve???a51.lex). The upgrade will also create a list of any words (known as exceptions) that have been added to the pre-upgrade hyphenation base file (hy???a05.lex).

These user hyphenation additions will then need to be added into the new hyphenation base for that language.

A user creating a Version 9.10 installation and then migrating from the old UBS system to the new one will need to do the following:

- 1 Copy any supplementary dictionaries from the old system to the new; for example by using:

```
rcp <old_system:old_home>/UAP/dict/ve???[b-z]51.lex \  
    <new_system:new_home>/UAP/dict/
```

Note that this will replace the "example" supplementary dictionaries (ve???b51.lex) that are created by the install process.

- 2 Create a listing of any hyphenation exceptions.

On the OLD UBS system (old_system):

```
cd <old_home>/UAP/dict  
for DIAL_CODE in 001 002 ..... 049  
do  
    if test -f hy${DIAL_CODE}a05.lex  
    then  
        : NOTE this is the OLD hyusbuild being run  
        hyusbuild -l -d ${DIAL_CODE} > temp  
        sed "/->/s/^.*-> //" temp > exc_${DIAL_CODE}.lst  
        rcp exc_${DIAL_CODE}.lst <new_system:new_home>/UAP/dict/  
    fi  
done
```

- 3 Re-apply the list to the new hyphenation base.

On the NEW UBS system (new_system):

```
cd <new_home>/UAP/dict  
for DIAL_CODE in 001 002 ..... 049 351 358  
do  
    if test -f hy${DIAL_CODE}a05.lex -a -f exc_${DIAL_CODE}.lst  
    then
```

```
      : NOTE this is the NEW hyusbuild being run
      hyusbuild -d ${DIAL_CODE} < exc_${DIAL_CODE}.1st
      mv exc_${DIAL_CODE}.1st exc_${DIAL_CODE}.dun
      fi
```

onGO Office Character Client

As mentioned above, the onGO character client is not included within the V9.10 release. In an upgrade from V8.00 or V8.10 the necessary programs are preserved (although in an ongo.linked system some of them will have been moved from the UAP area into the *(soft linked)* NVO area). If the new V9.10 installation is to include the onGO Office character client, the only reasonable method is to install V8.10, and then upgrade to V9.10.

Administration and Configuration Notes and Changes

Electronic Mail

The IMAP server should be set up automatically when Version 9.10 is installed, either as a new installation or as an upgrade. See the **Installation Changes** section and the **Installation Guide**.

The only new configuration controls for the IMAP server are the UBSABOX, UBSDBOX and UBSFBOX keywords in UAP/umail/umail.rc. These are described in the Technical Guide.

The new Reply To Sender Form in the character terminal interface can be configured by changing messages 1240-1261 in UAP/umail/umail.msg.

Mail notifications and alarms can now be turned off with the value 0.0.0 in the #UCLOCK_DEFAULT section of UAP/diary/diary.rc. Individual users can override this by enabling alarms in the Time Manager. To find out the current settings, use the new command

```
uniplex -run uclock -s
```

Datalinks

There are three new binaries for the Datalink database interfaces:

infx7_if Informix-SE V7 and Informix Dynamic Server V7

ingresII_if Ingres II

oracle8_if Oracle V8

The operation of these three binaries is controlled mainly by the UAP/dbs/interfaces and interfaces.idx files. Sample configurations that will work unaltered for the vast majority of installations are already included. See the online **Technical Guide** and the relevant sections in Volume 3 of the User Guide for advanced configuration.

The New Euro Currency Sign

Most terminals and printers do not directly support the euro sign. So, as described in the **User Interface Notes and Changes** section above, Uniplex provides default mappings for this character.

Terminals

To use a terminal that can generate and display the euro sign, it is necessary to add the command

```
MAP=nnn,128,nnn
```

(where nnn is the decimal value of the character code used by the terminal for the euro sign) to the Tcap entry for the terminal type, and then run syscomp.

To use the Windows 98 telnet emulator do the following. Use a TERM setting which has "km" set in its termcap or terminfo entry (e.g. vt100). Select a font in telnet which includes the euro sign (e.g. Courier New). Then, since Windows 98 uses 128 for the euro sign, add `MAP=128,128,128` to the Tcap entry corresponding to \$TERM, and run syscomp. The relevant key combination (AltGr+4 on UK keyboards) will send the code 128 which Uniplex will interpret as a euro sign, and Uniplex will send that same code back to be displayed as a euro sign (to display pound and yen signs, it is also necessary to add HIGHBIT to the Tcap entry).

Printers

Some printers cannot print a euro sign, but can overprint a 'C' and an '='. To do this, add the command `MAP=128,'C'-8-'='` to the relevant Pcap entry. Because the default map 'EUR' has a width of three characters, it is also necessary to add a `SIZES= 128=nnn` command to the Fcap entry for each font that the printer uses (where nnn is the width of the letter 'C', copy the value from either the `SIZES= 67=` command, or the `OTHERS=` command).

Some output, notably that from the Spreadsheet, relies for its formatting on each character having the same width. Because the default output 'EUR' has the width of three characters, some columns may not line up correctly. Possible solutions are to use a PostScript printer, to use the configuration

above to overprint a 'C' and an '=', or to change UAP/ucalc/issidefs to use the code 'EUR' instead of the euro sign.

Using a Different Code

To use a code other than 128 within Uniplex documents for the euro sign, it is necessary to add map commands to uniplex.cmd, Tcap, Pcap and Fcap.

Cleaning the Process Control Directory

Entries can be left in the Process Control directory if user sessions are not terminated correctly by the user quitting out of Uniplex. This can cause the message "ERROR - Too many users for UNIPLEX" to be generated when a user tries to start Uniplex.

The **uclock** process will automatically remove such entries when the system is not active (for details see the manual page for **uclock** in the Technical Guide). If this is not sufficient, the new command:

```
uniplex -run uclock -c
```

can be used. This can be run manually or it can be included in the UAP/cmds/uniplex.start script so that it is run each time a user starts Uniplex or, on large systems with many users, the amount of processing will be reduced if it is run using the Unix crontab facility.

Year 2000

In general, UBS 9.00 worked correctly through the millennium change. There are a few changes in Version 9.10.

Weekly and Monthly Plan Views printed by or viewed in the Time Manager have the wrong year in the heading (for example, 1900 is shown instead of 2000). This is fixed in Version 9.10 (TM:34106).

Mail received from a non-Uniplex system has its Date Sent set as 01/01/1970 in the Uniplex mailstore. The date is used when the mail is printed or forwarded. This is fixed in Version 9.10 (EM:34262).

When copying, renaming a deleting a customised form, report or screen fill the dates the file was last written and read is displayed in the format (year-1900)/(month)/(day). In Version 9.10, the dates are displayed correctly in the format specified in UAP/uniplex.sys (DBF:13225, DBF:34267, RW:34268, SCR:34269).

Users have requested the ability to display and enter dates with 4-digit years in the Time Manager. This is now possible by including 'T' in DATE-MODE and setting DATEFMT with four 'Y' characters (TM:34125).

If the DATEFMT is set with four 'Y' characters, the date shown on the main menu of an application only had a 4-digit year if that application was set to use 4-digit years. Now all main menus show the date according to DATEFMT (GEN:34073).

The following changes reduce the chance of unintentionally configuring Uniplex to interpret 2-digit years in the range 1900-1999 (GEN:34014).

The upgrade process will warn if DATEMODE included 'C00' in the central UAP/uniplex.sys file, and it will be removed.

The syscomp command will warn if DATEMODE includes 'C00' in a UAP/uniplex.sys file that it reads (either in the central copy or that of a user).

If any flags are set in DATEMODE, the default range remains as 1941-2040 unless the C flag is explicitly specified.

Changes Made in Version 9.00

Print-time Replacement of the DATE Variable and the udate Command

Changes made in V9.00's udate program made the changes recommended for V8.10 users unnecessary. With Version 9, udate now supports a %Y format control to report a four digit year. Additionally the string 19%y is taken to be a synonym for %Y, so that existing scripts do not need to be modified.

Card Index Date Fields

Unlike other UBS applications (Spreadsheet, Databases, Mailstore, Time Manager or File Manager), which all effectively store a full 4-digit year, the Card Index only stores a 2-digit one for fields defined with "date" type, in customised card indexes (none of the supplied ones use "date" fields). If DATEFMT is set for 4-digit years, these 2-digit years are displayed using the DATEMODE Cnn flag century rules.

Before V9.00, the Find comparison operators were applied to the two digit years. For example, if >12/12/1999 is specified in a date field, only cards for the last few days of December 1999 would have been found (even with the default DATEMODE of C41 in effect). This problem has been corrected in Version 9.

Two Digit Year Handling after 2000

With Version 9 of UBS, 2-digit years represent the "expected" century and applications use "century clean" formats to store dates. This rest of this section provides background information explaining the rules that control the handling of 2- and 4-digit years for user input and display of dates. All this information can be found in the UBS 9.10 On-line Technical Guide.

Configuration Files that Affect Date Formats

Date formats are affected by the DATEMODE and DATEFMT parameters in the UAP/uniplex.sys file and the DATE parameter in UAP/dbs/interfaces. UBS can be configured by systems integrators and by individual users. This note concentrates on standard installations. When considering the effect on a particular system, remember that each user can have UAP files which override the system ones.

If it is necessary to change the UAP/uniplex.sys file, remember that sys-comp -s must be used to apply the change by updating UAP/system.comp. If V9.10 were the first release of UBS, we would probably set DATEFMT with four 'Y' characters (for example as 'MM/DD/YYYY' in the US), and DATEMODE to 'C41DFQTX'. However knowing the huge number of customisations and superstructure products that have been built on the UBS product we considered it unwise to change the "expected" form of a UBS installation.

Input of Dates Using Database Forms (uform), Formfill (ufill), Card Index (ucard), Time Manager (udairy), Mail (umail) or File Manager (ufilemgr)

Where dates are entered with two digits for the year, the century added to give the year number is controlled by the Cnn flag of DATEMODE in UAP/uniplex.sys. In UBS v9.10, DATEMODE defaults to 'C41', so with a standard installation dates are in the range 1941 to 2040.

After applying the Cnn flag, the year may be truncated to two digits before being passed to a shell or a database engine (see below for details). However, the Cnn flag must still be correctly specified. The date 02/29/00, or 29/02/00, will be rejected as invalid with 'C00' because 1900 was not a leap year, but it will be accepted with 'C41' because 2000 will be a leap year. Users can enter 4-digit years, provided there is enough room in the input field. With UFORM and UFILL, the size of the input field depends on the options controlling the output of dates (see below for details).

Input of Dates Using Database Query (usql)

Dates in SQL statements can contain either a 2- or 4-digit year. If only 2 digits are present, Informix database engines before version 5.10 add 1900 to give the year number, and reject '00' as invalid. Version 5.10 of Informix SE has an environment variable (called **DBCENTURY**) which controls the method that the database engine uses to interpret 2 digit years. If **DBCENTURY** is not set, it copies the first two digits from the current date, and so it assumes the range 2000-2099.

The DATEMODE Cnn flag has no effect with USQL, and it is best for SQL input to use 4-digit years after 1999. Note that USQL does not "understand" dates in SQL commands sent to the database (since it makes no attempt to correlate the data strings in an SQL statement to the database schema that it will run against).

Passing Dates to an Informix Database from Database Forms (uform)

The DATE format in UAP/dbs/interfaces can contain either two or four 'Y' characters. The number of year digits in the DATE field is used to control the setting of the Informix DBDATE variable (e.g.: with DATE=DD/MM/YYYY Uniplex will pass DBDATE=DMY4/ to Informix).

Passing Dates to Commands Generated by Formfill or Screen Builder (ufill)

In the shell commands generated by UFILL, using the syntax \$(name), date fields are truncated to two year-digits unless UAP/uniplex.sys is changed to specify four 'Y' characters in DATEFMT, and to specify the F flag in DATE-MODE.

Display of Dates in Database Forms (uform) and Formfill or Screen Builder (ufill)

By default, these display dates with 2-digit years. To display 4-digit ones, change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the D (for UFORM) or F (for UFILL) flag in DATEMODE. Note that doing this may cause problems with screen layouts and commands generated by UFILL.

Display of Dates Using Database Query (usql)

By default, Database Query displays dates with 2-digit years. To output the 4-digit ones change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the Q flag in DATEMODE.

Display of Dates in the Card Index (ucard)

By default, this displays dates with 2-digit years. To display 4-digit ones, change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the X flag in DATEMODE. This may cause problems with screen layouts.

However, regardless of the DATEFMT setting, the Card Index only stores a 2-digit year, which means that applications that need to work on a large range of dates should use a database, not a card index.

Display of Dates Using Time Manager (udiary)

By default, Time Manager displays dates with 2-digit years. To output the 4-digit ones change UAP/uniplex.sys to specify four 'Y' characters in DATEFMT, and specify the T flag in DATEMODE.

Display of Dates Using Mail (umail) or File Manager (ufilemgr or ufo)

In most contexts, Mail, File Manager and File Management display 2-digit years only on the grounds that, for the objects they refer to (mail messages, file creation dates, etc), the century will be obvious to the user.

Remaining Limitations

- Any customised scripts which generate USQL input with 2-digit years will have to be changed, unless a recent Informix engine is used with DBCENTURY set.
- The diary.holidays file only has entries up to 2004.
- The clock in most UNIX systems expires in January 2038.
- With the default DATEMODE setting, 2-digit years can only be used in input up to the end of 2040.
- The Time Manager only works until 2050.
- The Mail system only accepts messages with 2-digit years up to the end of 2069.
- By changing DATEMODE to C99, 2-digit years can be used in input up to the end of 2098.

Conversion Filters

Files can be converted from one format to another using the File Manager. Also, when trying to open either a non-Uniplot Word Processor file or a text file, a copy of it can be automatically converted for reading.

The following lists the converters supplied by Uniplot. From the set of 42 converters, 39 offer full support (TO and FROM), and 3 offer FROM only support. For each TO and FROM converter, there are two binaries, and for each FROM-only converter, there is just one binary. For example, the code w4w01 is a F/T type (FROM and TO) and has the two binaries: w4w01f and w4w01t.

Code	Type	Description
w4w01	F/T	ASCII (Standard, Smart, Stripped, Plain)
w4w04	F/T	WordStar 3.3 - 7.0
w4w05	F/T	Microsoft Word for DOS 3.0 - 6.0
w4w06	F/T	WordPerfect 4.1, 4.2
w4w07	F/T	WordPerfect 5.0 - 5.2
w4w09	F/T	WordStar 2000, Vrs 3.0, 3.5
w4w10	F/T	MultiMate 3.3 - 4 MultiMate Advantage 3.6 MultiMate Advantage II 3.7
w4w15	F/T	DCA Revisable Form Text (RFT) DisplayWrite 2 - 5
w4w16	F/T	OfficeWriter 4.0 - 6.2
w4w18	F/T	Navy DIF (GSA) Navy DIF (WordPerfect)
w4w19	F/T	Microsoft Rich Text Format (RTF)
w4w20	F/T	Lotus 1-2-3 version 2.0 F Lotus 1-2-3 version 3.0 - 5.0
w4w21	F/T	Microsoft Excel 2.1 - 7.0
w4w24	F/T	Lotus Manuscript 2.0, 2.1
w4w26	F/T	Wang PC 3.0
w4w30	F/T	Digital DX
w4w32	F/T	DCA Final Form Text (FFT)
w4w33	F/T	Ami Pro 1.1 - 3.1 Professional Write Plus
w4w35	F/T	Interleaf Publisher 1.1 ASCII
w4w37	F/T	Legacy Wordstar for Windows onGO Write
w4w39	F	Microsoft Works 2.0, 3.0
w4w42	F/T	FrameMaker 3.0 - 5.0 (MIF)
w4w43	F/T	Microsoft Windows Write 3.0, 3.1

Code	Type	Description
w4w44	F/T	Microsoft Word for Windows 1.x - 2.x
w4w48	F/T	WordPerfect 6.0x - 7.0
w4w49	F/T	Microsoft Word for Windows 6.0 - 7.0 Microsoft Word for Macintosh 6.0 - 7.0
w4w51	F/T	MacWrite 4.x, 5.0
w4w52	F/T	MacWrite II version 1.0, 1.1
w4w54	F/T	Microsoft Word for Macintosh 3.0 - 5.1
w4w59	F/T	WordPerfect Macintosh 1.0
w4w60	F/T	WordPerfect Macintosh 2.0 - 3.5
w4w101	F/T	Uniplex II Plus 7.xx - 9.10
w4w102	F/T	ICL OfficePower 6 - 7
w4w104	F/T	Data General CEO Write
w4w108	F/T	HTML
w4w701	F/T	Comma Separated Variable ASCII Quote Delimited ASCII
w4w703	F	Paradox 3.5, 4.0
w4w705	F/T	Microsoft Word for DOS 5.x Mail Merge
w4w707	F/T	WordPerfect 5.1 Mail Merge
w4w770	F/T	dBASE III - IV 1.0 Microsoft FoxPro for Windows
w4w771	F	Microsoft Access 2.0
w4w801	F/T	Quattro Pro 4.0 Quattro Pro for Windows 1.0 - 7.0

The converters **tiff2rgp** (for reading TIFF graphic files) and **ussto123** (for writing spreadsheets with formulas in Lotus 1-2-3 format) have a different architecture, and are described in the Technical Guide.

Latin 2 and Other Character Sets

There is a -CPxxxx command line option which can be used to override the default code page of the following converters:

w4w01f, w4w01t	ASCII
w4w19f, w4w19t	Microsoft RTF
w4w33f, w4w33t	AmiPro 1.1 - 3.1
w4w44f, w4w44t	MS Word for Windows 1.x - 2.x
w4w49f, w4w49t	MS Word for Windows/Macintosh 6.0 - 7.0
w4w54f, w4w54t	MS Word for Macintosh 3.0 - 5.1
w4w101f, w4w101t	Uniplex II Plus

Available options include:

-CP437	for the Standard PC code page
-CP819	for the ANSI (Windows) code page
-CP850	for the International PC code page
-CP852	for the Latin 2 PC code page
-CP1250	for the European Windows codepage
-CP8591	for the ISO 8859/1 Latin 1 codepage
-CP8592	for the ISO 8859/2 Latin 2 codepage
-CP9999	for the Macintosh character set

The default code page for the ASCII converters (*w4w01f*, *w4w01t*) depends on the *-V* option:

-Vn	PC files (CR-NL)	PC code page
-VnA	Ansi files	ANSI (Windows) code page
-VnM	Macintosh files	Macintosh character set
-VnX	Unix files (NL)	ISO 8859/1 Latin 1 codepage

For example, to convert a Uniplex document prepared on a system using the **ISO Latin 2** character set to a text file for use on the same system, execute *w4w101f* with option *-CP8592* and *w4w01t* with options *-V1X -CP8592*.

If a code page option is used for just one stage of the conversion, or if different code pages are used for each stage, characters are mapped to the nearest available (e.g. accents are removed). For example, to convert an **Ami Pro** document prepared using **code page 1250** to a **Uniplex** document for use on a system using the **ISO Latin 2** character set, execute *w4w33f* with option *-CP1250* and *w4w101t* with option *-CP8592*.

To use these options, the commands in the file *NVO/STATIC/C/udas/udas.cfg* must be edited. The Uniplex Document Agent System uses OpenMail type codes to control conversions, and there are no OpenMail type codes specifically for files using the **Latin 2** character set. Therefore, if the configuration is changed to use the *-CP8592* option for a particular file type, all files of that type on that system, will be treated as using the Latin 2 character set. (Note that although the *udas.cfg* and *map.types* files contain entries for Latin 1 and 2 text files, they were for onGO Write which is no longer supported.)

Additional Dictionaries

Dictionaries are supplied for the following languages in the Additional Dictionary Pack (ADP). To use those for languages other than the base language of the Uniplex installation requires an ADP licence.

- American English
- British English
- Canadian French
- Danish
- Dutch
- Finnish (no hyphenation breaks)
- French
- German
- Italian
- Norwegian
- Portuguese
- Spanish
- Swedish

A thesaurus is only supplied for American English, British English, French and German.

Supported Devices

Previously, both device support and national language interface were supplied on the same TEXT media. Since these two elements have different maintenance requirements and cycles, the Additional Peripherals Pack (APP) was launched in 1991. You are supplied with a copy of the latest APP containing the most up-to-date printer drivers with Uniplex Version 9.10.

See also the later section Devices Supported on Basic TEXT Media for details of device drivers supplied on the TEXT media.

APP Supported Devices

The following summarizes the devices supported by APP Version 5.1 and the Uniplex driver names to use for them.

The Supported Printer Specification (SPS) and Supported Terminal Specification (STS) references apply to the documentation supplied with APP 5.1 distribution media.

For more details on terminal specifications, refer to the later section Terminal Drivers.

The following tables detail:

- The printer models supported by the APP.
- The font options available for them.

Where a font option includes a superscript number next to its description, you should read the related note detailed at the end of the APP Supported Devices section.

- The Uniplex driver names to use for portrait and landscape orientation.
- The Supported Printer Specification (SPS) filename containing the detailed description of supported functions for the printers.

Supported Devices

Printer	Font Option	Driver (Pcap) Name(s)	SPS No
HP11	No Font cartridge	hp11ecma	sps01
		L/hp11ecma	sps02
	F cartridge ²	hp11roman8/F/	sps30
		L/hp11roman8/F/	sps31
	S2 cartridge ²	hp11ecma/S2/	sps15
		L/hp11ecma/S2/	sps16
	Great Start cartridge ²	hp11ecma/gstart/	sps19
		L/hp11ecma/gstart/	sps20
	MicroSoft cartridge ²	hp11ecma/msoft/	sps23
HP11D	No Font cartridge	hp11Decma	sps03
		L/hp11Decma	
	F cartridge	hp11Droman8/F/	sps32
		L/hp11Droman8/F/	
	S2 cartridge	hp11Decma/S2/	sps17
		L/hp11Decma/S2/	
	Great Start cartridge	hp11Decma/gstart/	sps21
		L/hp11Decma/gstart/	
	MicroSoft cartridge	hp11Decma/msoft/	sps25
HP11P	No Font cartridge	hp11Pecma	sps04
		L/hp11Pecma	
	F cartridge	hp11Proman8/F/	sps33
		L/hp11Proman8/F/	
	S2 cartridge	hp11Pecma/S2/	sps18
		L/hp11Pecma/S2/	
	Great Start cartridge	hp11Pecma/gstart/	sps22
		L/hp11Pecma/gstart/	
	MicroSoft cartridge	hp11Pecma/msoft/	sps26
HP11E	No Font cartridge	hp11Eecma	sps05
		L/hp11Eecma	
	F cartridge ²	hp11Eroman8/F/	sps34
		L/hp11Eroman8/F/	
	S2 cartridge ²	hp11Eecma/S2/	sps19
		L/hp11Eecma/S2/	
	Great Start cartridge ²	hp11Eecma/gstart/	sps21
		L/hp11Eecma/gstart/	
	MicroSoft cartridge ²	hp11Eecma/msoft/	sps24
HP11L	No Font cartridge	hp11Lecma	sps06
		L/hp11Lecma	
	F cartridge ²	hp11Lroman8/F/	sps35
		L/hp11Lroman8/F/	
	S2 cartridge ²	hp11Lecma/S2/	sps15
		L/hp11Lecma/S2/	
	Great Start cartridge ²	hp11Lecma/gstart/	sps19
		L/hp11Lecma/gstart/	
	MicroSoft cartridge ²	hp11Lecma/msoft/	sps23
HP11M	No Font cartridge	hp11Mecma	sps07
		L/hp11Mecma	
	F cartridge ²	hp11Mroman8/F/	sps36
		L/hp11Mroman8/F/	
	S2 cartridge ²	hp11Mecma/S2/	sps15
		L/hp11Mecma/S2/	
	Great Start cartridge ²	hp11Mecma/gstart/	sps19
		L/hp11Mecma/gstart/	
	MicroSoft cartridge ²	hp11Mecma/msoft/	sps23
HP11N	No Font cartridge	hp11Necma	sps08
		L/hp11Necma	
	F cartridge ²	hp11Nroman8/F/	sps37
		L/hp11Nroman8/F/	
	S2 cartridge ²	hp11Necma/S2/	sps15
		L/hp11Necma/S2/	
	Great Start cartridge ²	hp11Necma/gstart/	sps19
		L/hp11Necma/gstart/	
	MicroSoft cartridge ²	hp11Necma/msoft/	sps23
HP11O	No Font cartridge	hp11Oecma	sps09
		L/hp11Oecma	
	F cartridge ²	hp11Oroman8/F/	sps38
		L/hp11Oroman8/F/	
	S2 cartridge ²	hp11Oecma/S2/	sps15
		L/hp11Oecma/S2/	
	Great Start cartridge ²	hp11Oecma/gstart/	sps19
		L/hp11Oecma/gstart/	
	MicroSoft cartridge ²	hp11Oecma/msoft/	sps23
HP11R	No Font cartridge	hp11Recma	sps10
		L/hp11Recma	
	F cartridge ²	hp11Rroman8/F/	sps39
		L/hp11Rroman8/F/	
	S2 cartridge ²	hp11Recma/S2/	sps15
		L/hp11Recma/S2/	
	Great Start cartridge ²	hp11Recma/gstart/	sps19
		L/hp11Recma/gstart/	
	MicroSoft cartridge ²	hp11Recma/msoft/	sps23
HP11S	No Font cartridge	hp11Secma	sps11
		L/hp11Secma	
	F cartridge ²	hp11Sroman8/F/	sps40
		L/hp11Sroman8/F/	
	S2 cartridge ²	hp11Secma/S2/	sps15
		L/hp11Secma/S2/	
	Great Start cartridge ²	hp11Secma/gstart/	sps19
		L/hp11Secma/gstart/	
	MicroSoft cartridge ²	hp11Secma/msoft/	sps23
HP11T	No Font cartridge	hp11Tecma	sps12
		L/hp11Tecma	
	F cartridge ²	hp11Troman8/F/	sps41
		L/hp11Troman8/F/	
	S2 cartridge ²	hp11Tecma/S2/	sps15
		L/hp11Tecma/S2/	
	Great Start cartridge ²	hp11Tecma/gstart/	sps19
		L/hp11Tecma/gstart/	
	MicroSoft cartridge ²	hp11Tecma/msoft/	sps23
HP11V	No Font cartridge	hp11Vecma	sps13
		L/hp11Vecma	
	F cartridge ²	hp11Vroman8/F/	sps42
		L/hp11Vroman8/F/	
	S2 cartridge ²	hp11Vecma/S2/	sps15
		L/hp11Vecma/S2/	
	Great Start cartridge ²	hp11Vecma/gstart/	sps19
		L/hp11Vecma/gstart/	
	MicroSoft cartridge ²	hp11Vecma/msoft/	sps23
HP11W	No Font cartridge	hp11Wecma	sps14
		L/hp11Wecma	
	F cartridge ²	hp11Wroman8/F/	sps43
		L/hp11Wroman8/F/	
	S2 cartridge ²	hp11Wecma/S2/	sps15
		L/hp11Wecma/S2/	
	Great Start cartridge ²	hp11Wecma/gstart/	sps19
		L/hp11Wecma/gstart/	
	MicroSoft cartridge ²	hp11Wecma/msoft/	sps23
HP11X	No Font cartridge	hp11Xecma	sps15
		L/hp11Xecma	
	F cartridge ²	hp11Xroman8/F/	sps44
		L/hp11Xroman8/F/	
	S2 cartridge ²	hp11Xecma/S2/	sps15
		L/hp11Xecma/S2/	
	Great Start cartridge ²	hp11Xecma/gstart/	sps19
		L/hp11Xecma/gstart/	
	MicroSoft cartridge ²	hp11Xecma/msoft/	sps23
HP11Y	No Font cartridge	hp11Yecma	sps16
		L/hp11Yecma	
	F cartridge ²	hp11Yroman8/F/	sps45
		L/hp11Yroman8/F/	
	S2 cartridge ²	hp11Yecma/S2/	sps15
		L/hp11Yecma/S2/	
	Great Start cartridge ²	hp11Yecma/gstart/	sps19
		L/hp11Yecma/gstart/	
	MicroSoft cartridge ²	hp11Yecma/msoft/	sps23
HP11Z	No Font cartridge	hp11Zecma	sps17
		L/hp11Zecma	
	F cartridge ²	hp11Zroman8/F/	sps46
		L/hp11Zroman8/F/	
	S2 cartridge ²	hp11Zecma/S2/	sps15
		L/hp11Zecma/S2/	
	Great Start cartridge ²	hp11Zecma/gstart/	sps19
		L/hp11Zecma/gstart/	
	MicroSoft cartridge ²	hp11Zecma/msoft/	sps23

Printer	Font Option	Driver (Pcap) Name(s)	SPS No
HPIII ¹	No Font cartridge	hpIIIecma L/hpIIIecma	sps05
HPIIID	No Font cartridge	hpIIIDecma L/hpIIIDecma	sps06
HPIIIP	No Font cartridge	hpIIIPecma L/hpIIIPecma	sps07
HPIIISi	No Font cartridge	hpIIISiecma L/hpIIISiecma	sps52
HPIV	No Font cartridge	hpIVecma L/hpIVecma	sps110
HP500	No Font cartridge	HP500ecma L/HP500ecma	sps92 sps93
	C2109B cartridge	HP500ecma/C2109B/	sps94
	C2109C cartridge	HP500ecma/C2109C/	sps95
	C2109D cartridge	HP500ecma/C2109D/	sps96
	C2109E cartridge	HP500ecma/C2109E/	sps97
	22706B cartridge	HP500ecma/22706B/	sps98
	22706C cartridge	HP500ecma/22706C/	sps99
	22708C cartridge	HP500ecma/22708C/	sps70
	22707L cartridge	L/HP500ecma/2207L/	sps100
HP500C	No Font cartridge	HP500Cecma L/HP500Cecma	sps101 sps102
	C2109B cartridge	HP500Cecma/C2109B/	sps71
	C2109C cartridge	HP500Cecma/C2109C/	sps104
	C2109D cartridge	HP500Cecma/C2109D/	sps105
	C2109E cartridge	HP500Cecma/C2109E/	sps106
	22706B cartridge	HP500Cecma/22706B/	sps107
	22706C cartridge	HP500Cecma/22706C/	sps108
	22708C cartridge	HP500Cecma/22708C/	sps103
	22707L cartridge	L/HP500Cecma/2207L/	sps109
Canon LBP-4	No Font card	LBP4pc850 L/LBP4pc850	sps34
	SC-1 card	LBP4pc850/SC1/ L/LBP4pc850/SC1/	sps40
	BM-3 card	LBP4pc850/BM3/ L/LBP4pc850/BM3/	sps46

Supported Devices

Printer	Font Option	Driver (Pcap) Name(s)	SPS No
Canon LBP-4+ ⁵	No Font card	LBP4+pc850 L/LBP4+pc850	sps35
	SC-1 card	LBP4+pc850/SC1/ L/LBP4+pc850/SC1/	sps41
	BM-3 card	LBP4+pc850/BM3/ L/LBP4+pc850/BM3/	sps47
Canon LBP-8III	No Font card	LBP8IIIpc850 L/LBP8IIIpc850	sps36
	SC-1 card	LBP8IIIpc850/SC1/ L/LBP8IIIpc850/SC1/	sps42
	BM-3 card	LBP8IIIpc850/BM3/ L/LBP8IIIpc850/BM3/	sps48
Canon LBP-8III+	No Font card	LBP8III+pc850 L/LBP8III+pc850	sps37
	SC-1 card	LBP8III+pc850/SC1/ L/LBP8III+pc850/SC1/	sps43
	BM-3 card	LBP8III+pc850/BM3/ L/LBP8III+pc850/BM3/	sps49
Canon LBP-8IIIT	No Font card	LBP8IIIRpc850 L/LBP8IIIRpc850	sps38
	SC-1 card	LBP8IIIRpc850/SC1/ L/LBP8IIIRpc850/SC1/	sps44
	BM-3 card	LBP8IIIRpc850/BM3/ L/LBP8IIIRpc850/BM3/	sps50
Canon LBP-8IIIR	No Font card	LBP8IIITpc850 L/LBP8IIITpc850	sps39
	SC-1 card	LBP8IIITpc850/SC1/ L/LBP8IIITpc850/SC1/	sps45
	BM-3 card	LBP8IIITpc850/BM3/ L/LBP8IIITpc850/BM3/	sps51
Canon BJ330	No Font card	BJ330pc437 L/BJ330pc437	sps65
Canon BJ800C	No Font card	BJ800Cpc437 L/BJ800Cpc437	sps66
IBM 3816	Standard Font	ibm3816pc850 L/ibm3816pc850	sps61
IBM 4019	No Font card Diskette	ibm4019pc850 L/ibm4019pc850	sps62

Printer	Font Option	Driver (Pcap) Name(s)	SPS No
IBM 4019	Font card 1255846	ibm4019hpecma L/ibm4019hpecma	sps63
IBM 4019	Font cards 1255844 & 1255845	ibm4019hpecma/Z/ L/ibm4019hpecma/Z/	sps64
IBM 4029	No Font card	ibm4029pc850 L/ibm4029pc850	sps111
IBM 4039	No Font card	ibm4039hpecma L/ibm4039hpecma	sps112
IBM 4039	Postscript Font Option	ibm4039post L/ibm4039post	sps113
IBM X24E		ibmX24Epc850 L/ibmX24Epc850	sps53
IBM XL24E		ibmXL24Epc850 L/ibmXL24Epc850	sps54
IBM III		ibmIIIpc437 L/ibmIIIpc437	sps57
IBM IIIXL		ibmIIIXLpc437 L/ibmIIIXLpc437	sps58
Epson LX1050		LX1050pc850 L/LX1050pc850	sps55
Epson LQ1170	No Font card	LQ1170pc850 L/LQ1170pc850	sps56
Epson LQ2550	No Font card	LQ2550pc437 L/LQ2550pc437	sps59
Epson LQ2550	Color Ribbon	LQ2550colpc437 L/LQ2550colpc437	sps60
Bull VP61	Internal HP compatible fonts	VP61hpecma L/VP61hpecma	sps86
Bull VP110	Internal HP compatible fonts	VP110hpecma L/VP110hpecma	sps67
Bull VP570	No cartridge	VP570pc437	sps72

Supported Devices

Printer	Font Option	Driver (Pcap) Name(s)	SPS No
Bull VP580	No cartridge	VP580pc437 L/VP580pc437	sps73
Kyocera FS850	No font cartridge	KyoceraFSecma L/KyoceraFSecma	sps68
	Font ROM Chip installed	KyoceraFSecma/from/ L/KyoceraFSecma/from/	sps69
dec2200	No Font cartridge	dec2200ecma L/dec2200ecma	sps74
	LNXX-CD cartridge	dec2200ecma/LNXXCD/ L/dec2200ecma/LNXXCD/	sps75
	LNXX-CA, LNXX-CB	dec2200ecma/CACB/ L/dec2200ecma/CACB/	sps76
	LNXX-CC cartridge	dec2200decmn/LNXXCC/ L/dec2200decmn/LNXXCC/	sps77
dec1100 ⁶	No Font cartridge	dec1100ecma L/dec1100ecma	sps78
	LNXX-CD cartridge	dec1100ecma/LNXXCD/ L/dec1100ecma/LNXXCD/	sps79
	LNXX-CA, LNXX-CB	dec1100ecma/CACB/ L/dec1100ecma/CACB/	sps80
	LNXX-CC cartridge	dec1100decmn/LNXXCC/ L/dec1100decmn/LNXXCC/	sps81
dec2100 ⁶	No Font cartridge	dec2100ecma L/dec2100ecma	sps82
	LNXX-CD cartridge	dec2100ecma/LNXXCD/ L/dec2100ecma/LNXXCD/	sps83
	LNXX-CA, LNXX-CB	dec2100ecma/CACB/ L/dec2100ecma/CACB/	sps84
	LNXX-CC cartridge	dec2100decmn/LNXXCC/ L/dec2100decmn/LNXXCC/	sps85
MT906	Internal HP compatible fonts	MT906hpecma L/MT906hpecma	sps87
	F+Q Cartridge (075392)	MT906hproman8/FQ/ L/MT906hproman8/FQ/	sps88 sps89
	K+P Cartridge (075384)	MT906hproman8/KP/ L/MT906hproman8/KP/	sps90 sps91

Notes:

- 1 This model has not been tested by Uniplex. It is assumed that the HP III has the same paper characteristics as the HP II.
- 2 The standard LaserJet Series II cannot rotate fonts. As a result the choice of fonts is normally much reduced from the choice available in Portrait mode. None of the HP Font cartridges in this release have any proportional landscape fonts.
- 3 These cartridges use a symbol set not available in the standard printer. As a result there is no landscape entry possible as cartridge fonts are portrait only. The standard Series II landscape entry should be used instead.
- 4 These symbol sets are 7-bit only symbol sets. No attempt is made to compose any 8-bit character where there is no equivalent in the symbol set.
- 5 This printer has not been tested by Uniplex as no model was available. However, the printer engine is the same as the normal LBP4 so the paper characteristics should be the same. The font capabilities are the same as the LBP-8III+, which has been tested.
- 6 This printer was tested using the Dec 2200 printer.

HP LaserJet 5 and LaserJet 6

The HP LaserJet5 and LaserJet6 series printers have been validated with the current APP5.1. It is expected that we will be re-issuing the APP in the near future, but we are currently re-evaluating the way that this information is included within the product, with the intention of vastly simplifying the process of adding printers and terminals to your configuration.

Unfortunately there is a change required for the series 5 and 6 LaserJets. The standard hpIvecma emulation is correct for the 5 and 6, provided the reset codes are removed from the DEINIT line of the Pcap file. This prevents the printer appearing to hang after a print request.

That is replacing the line

```
DEINIT=$-'%-12345X@PJL REINIT PCL <CR><LF>@PJL ENTER LANGUAGE
= PCL'-'$-'E'
```

with

```
DEINIT=$-'E'
```

Supported Terminal Index

The following table details the terminal models supported by the APP, along with the appropriate Uniplex driver names. Also shown is the Supported Terminal Specification (STS) filename containing the detailed description of supported functions for the terminals.

Terminal Model	Driver (Tcap)Name(s)	STS No.
Wyse 60	wyse60, wy60	sts01
Wyse 120	wyse120, wy120	sts02
Wyse 370	wyse370, wy370	sts10
DEC vt340	vt340	sts03
DEC vt220	vt220	sts04
DEC vt420	vt420	sts12
DG d216+	d216+	sts05
DG d412	d412	sts06
DG d412+	d412+	sts07
DG d462	d462	sts08
DG d462+	d462+	sts09
IBM 3151	ibm3151, 3151	sts11

Devices Supported on Basic TEXT Media

The main TEXT media also contains support for an older set of devices. The exact set differs from language to language (which itself is the main reason for introducing the APP), but for the UK, English language media includes:

Terminals - Character Only

Terminal Description	\$TERM name/Tcap Name
Acorn Video Console	avc
Altos 2	altosll, altll, ll
Altos 3	altos3, alt3
ATT 386 Color Console	AT386, at386
ATT 386 Console	AT386-M, at386-M
DEC VT100	vt100
DEC VT220	vt220, vt200
Freedom 2	freedm2
Hitachi Workstation Console	HT4451

Terminal Description	\$TERM name/Tcap Name
hp300h	hp300h, 300h
hp70094	70094
hp 98700	hp98700, 98700
IBM PC/AT	ansi
IBM PC/AT color monitor	ansicolor
ibm8514	ibm8514
ibm5154	ibm5154
ibm5151	ibm5151
ibm3161-C	ibm3161-C
ibm3151	ibm3151
ibm3161	ibm3161
ibm3163	ibm3163
ibm3164	ibm3164
ibm5081	ibm5081
ibm5081-113	ibm5081-113
ibm5081-146	ibm5081-146
ibm8503	ibm8503
ibm8512	ibm8512
ibm8513	ibm8513
PCR2 6150 Monitor	ibm6153, ibm6154, ibm6155
ICL m303	m303
ICL Color 6404	iclcol, icl6404cg, iclcolour, icl6404
ICL Color 640402	icl640402
ISC DIAB DS-90 Console	wp5-c3, wp5-c2
Link 125	link
Lynwood Workstation Console	k430
Microcolour Graphics 2220	M2220
NCR 4970	4970
Nokia S-20 Console	alfaskop220
Philips p2772	p2772
Sony Workstation Console	sonycon
Sun Workstation Console	sun, sun386i
Torch	QX
Toshiba 5100	t5100
Televideo 925	tvi925
Unicord Emulator	scout, scout-132, scout-mc, scout-x, scout-x-132, scout-x-w3 ut2, ut2-132, ut2-mc, ut2-x, ut2-x-132 ut386, ut386-132, ut386-mc, ut386-x, ut386-x-132
Wyse 50	wyse50, wy50
Wyse 60	wyse60, wy60, wyse60-132, wy60-132
Wyse 85	wyse85, wy85
Wyse 120	wyse120, wy120

Terminals - Graphics and Character

The following terminals support Presentation Graphics but not the Presentation Editor.

Terminal Description	\$TERM name/Tcap Name(s)
Falco 5600	fal5600
Visual 241	vis241
Visual 550	vis550
Visual 603	vis603
Wyse 99GT	wyse99gt wyse99vt220
Motorola	tm228 tm229 tm228w tm228iw tm229w tm229iw

The following terminals support all modules of the Advanced Graphics System package.

Terminal Description	\$TERM name/Tcap Name(s)
DEC VT240	vt240
DEC VT340	vt340 vt330 vt300
Tektronix 4207	tek4207 tekOA70 tek4205
Graphon 407	graph407
Lynwood 320	lyn320 lyn320-132
Lynwood 520	lyn520 lyn520-132
Microcolour Graphics 4305	m4305

The following devices have been designed to work in their own X environment but do not support Uniplex Windows.

Terminal Description	\$TERM name/Tcap Name(s)
Lynwood Workstation Console	lynxterm
Sony Workstation Console	sonyxt

Printers

Printer Description	Pcap Name(s)	
"Dumb"	dumbp D-PRINTER	<i>Produces basic quality output on any printer.</i>
Canon LBP II	canon_1000 canon_1000/L/	
Citizen MSP10E	misp10_lq misp10_draft	
Digital	dec_la75 dec_ln03a dec_ln03a/L/	
Epson FX80	epson_fx80	
Genicom 1000	genicom_1000/IBM/	
HP LaserJet Series I	hp_jet/H/ hp_jet/F/ hp_jet/B/ hp_jet/LH/	
HP LaserJet Series I+ and II	hp_jet+ hp_jet+/H/ hp_jet+/F/ hp_jet+/B/ hp_jet+/L/ hp_jet+/LH/ hp_jetII/HF/ hp_jetII/LHF/	
HP Paintjet	hp_paint180 hp_paint180t hp_paint90_16 hp_paint90_16t	
Honeywell 466	honeywell_466	
IBM 4019	ibm4019 ibm4019/L/ ibm4019/00/ ibm4019/L00/ ibm4019/22/ ibm4019/L22/	

Printer Description	Pcap Name(s)
Kyocera F1010 (in HP emulation mode)	kyocera_f1000/HP/
Mannesman Tally 910 (in HP emulation mode)	mt910/F/ mt910/LF/ mt910/E/ mt910/LE/
Panasonic kx-p4450	kx-p4450 kx-p4450/L/ kx-p4450/F/
Postscript	postscript postscript/L/ posthelv posthelv/L/ posttimes posttimes/L/ docscript docscript/L/

Plotters (Graphics Only)

Plotter Name	Gcap Entry
HP 7475a Plotter	hp7475a
ICL Plotter	gp1760

X-Devices Supported

Uniplex Windows is a standard X Windows application and, therefore, supports any appropriately connected display device. Such a device is referred to as an *X server*.

By default, Uniplex uses a lowest-common-denominator set of resources in a server. This set of resources is described in the file `UAP/XW/servers/default`.

However, in order to take advantage of the capabilities of some server devices (for example, the ability to display larger font sets or color), Uniplex Windows is delivered with a set of server description files which have been customized for various devices.

These server descriptions are held in the directory UAP/XW/servers.

You may use these descriptions or extend the set, as required. Selection of a non-default server is described in the later section *Defining the X-Server Driver*.

Where necessary, Uniplex may adjust the settings in a server description file in order to work around deficiencies in the server concerned. For example, it may set a resource to avoid a recognized problem in a manufacturer's server.

X Window Servers

Customized server description files supplied with Uniplex Windows include:

A1097A	Same as hpcolor .
deccon	DECstation 3100 monochrome console.
decconcolor	DECstation 3100 color console.
default	Default monochrome configuration (should work on any device). It is usually a copy of the generic file (see below), but may be a copy of a specific server file for a machine with a known deficiency in its usual server.
dgaviion	Data General AViiON console (monochrome).
generic	Generic monochrome configuration for PC-sized displays.
hpcolor	HP color console.
ibm5081	IBM high-function terminal 5081 (color). Assumes that Adobe fonts are available on the display. Also, it is a generic description for any similar full-color 19 inch IBM console display - such as the 6091.
ibm6153	IBM high-function terminal 6153 (color).
ibm8859	IBM RS/6000 with iso8859 fonts.

ix	Interactive console server.
ixmb2	Interactive console server with a two-button mouse.
ix-8859	Interactive console server but set for iso8859 fonts.
ix-8859mb2	Interactive console server but set for iso8859 fonts and a two-button mouse.
ncd	NCD monochrome X Terminal using built-in fonts.
ncd.adobe	NCD monochrome X terminal using Adobe fonts from NCD release tapes. X server description was built for a NCD-19 (19 inch) display. A few of the resources it contains can cause windows to be poorly placed if used with a similar screen.
odt	Configuration for VGA screens and Adobe font support.
pc	Same as generic . <i>On some 7.01 ports, a server of this name was supplied which was a copy of the customized default rather than the original generic.</i>
sony8859	Sony with iso8859 fonts.
sun	SUN monochrome console.
suncolor	SUN color console.
tv	NCR Towerview monochrome X terminal.
vis640	Visual 640 monochrome X terminal.
visX19	Visual X-19 (turbo) monochrome X terminal.
visX19grey4	Visual X-19 (turbo) 4-level grayscale X terminal.

Defining the X-Server Driver

There are four ways in which you can define a non-default server:

- Enter the following at a system prompt:

```
uxwindows <server_name>
```

where *server_name* is one of the names in the left column of the table in the previous section.

- Set the environment variable UXENVIRONMENT using the syntax:

```
UXENVIRONMENT=server_name  
export UXENVIRONMENT
```

where *server_name* is one of the names in the left column of the table in the previous section.

- Edit the file \$HOME/.Xdefaults and specify the required resource.

For example, **Uxwindows.server : sun.**

- Copy the server description file you require to the file \$HOME/UAP/XW/servers/default.

Appendix A - Changes Made in Version 9.10

The following pages contain a standard report from the Uniplex Product Status Database (PSD) showing all problems and enhancements that have been addressed in this release.

Entries are sorted by PSR number within product area.

Since the report is available independently of these Release Notes, some of the entries may say "See Release Notes", which, in this context means, "See earlier sections of this document".

Also, some of the cross references ("See also:") may refer to PSRs not in this document.

Indented text, following the problem (wish) description, elaborates on the fix to a problem (or enhancement request).

CI: Card Index (UCARD)

30590

Marketing literature claims you can have 100,000 records in a Card Index. In theory you may be able to, but, due to massively inefficient sort routines, operations are becoming intolerably slow by about 1000 records.

Benchmarks show that adding a record to a 1000-record index takes 50 seconds on a lightening-fast HP machine and 3 minutes on a Sequent. Further tests and extrapolations show that, on 100000-records, the operation would take over 10 hours on the HP!

Seen in: 7.01

Adding a card to a 1000-card table is now 10 times faster before. This fix was included in 9.00 port for Pyramid.

CNF: Reconfiguration and Internal Issues

34139

A keystroke mapping of M163='#' in uniplex.cmd stops the 'C' key from being used. Likewise, '!' to ':' stop use of 'A' to 'Z'.

Workaround: Use the case sensitive form m163='#'.

Seen in: 7.02b

34168

The files UAP/terminfo and UAP/.installation/testTIC.src do not have the correct modern format for terminfo source files. Each header should end with a long name, and each entry should have a final comma. This had to be worked around for the Linux port.

Seen in: 9.00

CNV: Document Converter Package

33906

Wish

The 96Q4 converter source from Mastersoft includes a FROM HTML converter. This could be included in UBS.

Seen in: 8.10

34037

Wish

The old onGO TIFF to RGIP converter (tiff2rgp) should be included in the UBS product.

Seen in: 9.00

34038

Wish

The onGO tiff2rgp converter makes each BOX 1 scaling-unit too small in each direction, but with "width 1" edges. This causes gaps to appear in the image if it is scaled up, and should be fixed in UBS.

Seen in: 9.00

34090

Wish

Revised converters from Inso to be included in Uniplex products.

Seen in: 9.00

34122

The Word 6 to Uniplex conversion loses the rest of the line when it encounters a trademark (TM) character.

Seen in: 9.00

34216

Text can be lost when a multi-column document (e.g. a Word document with tables) is converted to Uniplex format. Also the formatting of

the text into cells is not correct because:

- a) either single-column rulers are used, or multi-column rulers without the necessary gap between columns.
- b) the columns are not synchronised in multi-row tables.
- c) hard returns are not used within columns.
- d) blank lines between tables are ignored by pfilter because it misunderstands the hard returns.
- e) merging of cells horizontally is not implemented.
- f) soft newlines in cells generate unwanted spaces.

Seen in: 9.00

34230

Wish

The new FROM HTML converter loops or stops processing the input if a long attribute value is contained in single quotes, or if a comment contains an open angle bracket "<".

These can occur in XML documents generated by Microsoft Office 2000.

Seen in: 9.00

See Also: 33906

34231

Wish

The revised TO HTML converter from Inso can produce wrong output from Uniplex WP documents with .RE and .PA commands. The heuristic output such as <H2> and </H2> can appear inside a comment or be omitted.

Seen in: 9.00

See Also: 34090

34232

The TO HTML converter, converts a hard space to " " with no closing semicolon.

Seen in: 9.00

34258

Wish

When a Uniplex document with a box containing text in a proportional font is converted (e.g. to Word), the line drawing characters on the right-hand side of the box do not line up.

On lines that contain graphics effect characters, converting all text to a fixed-pitch font would give a better looking result even though the font would not be the same as that used in the Uniplex document.

Seen in: 9.00

34259

When converting from a Uniplex document, multi-column effected and blank lines are processed a column at a time (unlike ordinary text which is processed a line at a time).

Unnecessary newlines are generated.

Also text in some columns is treated as if it is outside the margins.

Seen in: 9.00

DBF: Database

13225

Date format in Database Forms:

From the main menu, select Database Forms. Select a database for which customized forms exist.

Select 7 - Build Customized Forms then 7 - Delete a Form

Information about the form is displayed on the screen.

The dates always have the format YY/MM/DD, irrespective of the settings of DATEFMT in uniplex.sys, DBDATE and the DATE flag in UAP/dbs/interfaces.

The date format should default to the current setting of DATEFMT in uniplex.sys.

Seen in: 6.10

31469

A standard form generated from a view that has been created with a GROUP BY clause will not let you perform a "find". The Informix error message 205 : "ROWID can not be used with views with the function aggregate, GROUP BY or on multiple tables" will be displayed.

Seen in: 7.01b

33102

Attempts to use Database Forms to access a simple view with Informix 5 results in the error: "Informix Error 205 ROWID cannot be used with views with the function aggregate, GROUP BY or multiple tables". USQL can access the view without problem.

The same view can be created and accessed using Informix 2.1,

Seen in: 7.01

See Also: 31469

34267

Display of file dates when copying a Customized Form is wrong, it shows 1/1/2000 as 100/01/01. Also applies to Delete a Form and to Rename a Form.

See also PSRs 13225, 34268 and 34269.

Seen in: 9.00

EM: AOS Mail

6851

Wish

F2 on CHECK MAIL SENT screen should probably be UPDATE for consistency with READ INCOMING MAIL one - or will that involve too much time??

Seen in: 7.00

7998

When in Read Archived Mail, the F2-Update softkey function returns the user to the main MAIL menu rather than to the top archive line as is done for Read Incoming Mail. Even if there is a screen update to do (by logging in as same user on another screen and archiving a message there before returning to original screen) it still returns to main mail menu.

Seen in: 7.00

This was actually fixed in 8.00.

9018

Wish

When replying to mail, the following would make life much simpler:- Ability to include the incoming message in the reply (without going thru all sorts of C&P gyrations) so that, when you are copying several people on the reply they can also see the message that triggered it.

(eg: yes/no form, like the "add comments" one when forwarding)

Seen in: 7.00a

9357

If UMAIL = no for a Unix-only system then VERIFY & REGISTERED should be turned off regardless. When check sent mail message could be like "Cannot verify - non-Uniplex mail address" or some such.

Seen in: 7.00

See Also: 32941

The description on the Check Mail Sent screen is now "Not Uniplex".

11794

Wish

The merge file operation in the memo-pad editor does not support the !shell-command feature as in WP.

Seen in: 7.00a

11874

When you have deleted all attached files from an incoming message, then the status line when you read the message should tell you that the attachments have been removed The message continues to say:

"Your letter has attached files - choose 'attach' to read" But when you choose 'attach' it then says "Sorry - all attached files have been removed" It should say something like:

"Some or all previously attached file(s) have been deleted"

Seen in: 7.00a

12020

Get "Unread letter notifications" from messages sent to non-Uniplex machines (UMAIL=no in umail.rc) - which are, by definition, unable to generate notifications.

UMAIL=no messages should not be checked for "Unread" status.

Seen in: 7.00a

See Also: 9357

12518

In `umail.rc` file, if you define another `#FORMAT` section. And in this section have the following format.

```
#FORMAT
:FOOTER
Regards
))
```

Mail will not be sent. You have to have a `:HEADER` followed by some text or a blank line before you can have `:FOOTER` section.

Seen in: 7.00c

13845

Use of "8 bit" characters as mail passwords can result in the mail being un-readable on a different machine. This happens if the sending and receiving machines have different signed and unsigned C character types.

Seen in: 7.00c

Since Version 8.00, the main ports have all used signed chars. Therefore the fix has little effect in practice.

30392

Problems with batch forward of mail, seen with mixed simple and attached mail, forwarded twice (forward & reforward by batch) "Sorry you do not have permission to save in the file specified" When using batch forward, if batch contains a mixture of normal mail and mail with attached files, several errors occur: Message : "Sorry you do not have permission to save in the file specified" when F1 to send. This only seems to happen when the mail has been forwarded twice. In version 7.01 a message is sent from uniplex as "Undelivered letter notification". 2nd of files with attached files has error message when viewing attached file "Sorry - all attached files have been removed".

In earlier versions a corrupt message is sent on 1st error.

Seen in: 7.01a

See Also: 11889

30585

EASISEND does not honor default of `SAVECOPY=Y` in `umail.rc` if `umail.msg` numbers 1022 and 1023 are set to their local equivalent (e.g. "ja" and "nein" respectively)

Work around is to set `umail.msg:`

1022 to yes

1023 to no

However this will result in every "ja" and "nein" being displayed as "yes" and "no".

NOTE : You cannot alter `SAVECOPY=` {foreign equivalent of yes} in `umail.rc` as `UMAIL` will complain at invocation time.

This problem will also affect the `VERIFY`, `CONFIRM` and `REGISTERED` keywords. The symptom being that these keywords will not appear at all

in the MAIL header in messages destined for a remote machine. This results in the recipient machine assuming these keywords are negative (N) in the incoming message.

Seen in: 7.01

See Also: 10470

30986

If recipient deletes attached files and then forwards the message including himself/herself in the addressee list then:

1. Other recipients (on other machines, anyway) get empty "copies" of the attached files.
2. Recipient's (all local users?) message shows "attach" on ring menu, but selecting it gives "Sorry but attached files have been deleted"
3. Recipient gets "Undelivered letter notification" showing cannot deliver to <recipient> (all local users?).

Seen in: 7.01

31722

Wish

Would like to be able to include original message text with a reply, but have the message text marked in some way, e.g.

>This is the first question that the sender asked me

And this is my reply to his question

>This is the second point that he made in his original message to

>me which needs some kind of response

And this is my reply to that point

.....etc

elm and other Unix mailers provide this kind of facility.

Seen in: 7.01

32941

From 7.02, UMAIL appears to generate read acknowledgments (ACKs) even when the sender does not request them.

This was noticed with a FAX application that sends UNIX mail from "root" to the FAX originator confirming that the FAX was sent. Even though the message came from UNIX and so has NO READ VERIFY set in the Uniplex mailstore (%VERIFY 0), when the user reads the confirmation mail, a "%UVERIFY" message is sent back to "mail>root" (since the site had UMAIL=y on it's "mail" system). The workaround for this site was to set UMAIL=n (which is the correct setting), but a "%UVERIFY 0" message should not cause the ACK to be generated in the first place!

Seen in: 7.02a

See Also: 9357

33930

If a letter with a long attachment list is received by umd_unix and forwarded by usmail, attachments can be lost.

Seen in: 8.10

33996

Wish

If a MIME-encoded message is received with a forwarded MIME-encoded message as an attachment, the attachment is kept but not decoded. It would be more useful if decoded and stored as several attachments. The forwarded message is stored as an attachment called "rfc822". If it necessary to decode it, a workaround is to:

- 1) Use "copy" to write it to a file. It can be in a temporary directory, but the filename must be the users own userid.
- 2) Edit the file to remove carriage return (control-M) characters from the ends of the lines, and to ensure that the first line starts "From " (with a space after the word "From").
- 3) Run umd_runix with the name of the file as the argument.

The forwarded message will then appear as a seperate message in the user's mail tray.

Seen in: 9.00

NOTE: No change has been made for this wish. The message has to be kept as one attachment so that the IMAP server included in Version 9.10 will work correctly.

34058

Mail with From header of the form:

From: "Mark Webb" <mxw@uniplex.com>

Causes umd_runix to fail

UMD_runix will corrupt data when it parses a quoted-string character between the 'From:' and the '<mxw@uniplex.com>' Seems to be worst on SCO platforms - Difficult to reproduce on other platforms.

MACHINE SPECIFIC: INTEL/X86 , SCO

Unix

Seen in: 9.00

34065

When sending mail with SYSMODE=E (encode extended characters), a backslash in the original message can cause the message to be corrupted.

Seen in: 8.10

34068

If the Hard Return character is set to a character greater than 127 (instead of the default tilde) by changing HARDCHARS in uniplex.sys), then the memo pad allows multiple hard returns on one line.

Seen in: 8.10

34097

If more than two Uniplex mail systems exist in a network and a user has autoforward set, mail sent from a remote UBS user will not receive all acknowledgements.

The originating message contains enough %V lines (which are used for the verifications) for each user sent to plus 5 to allow for this very thing. However, if there are more than 5 autoforward recipients, then this will cause those verifications to be lost.

Seen in: 8.10

34101

Using the new direct send mail option causes a core dump on Linux and Dec platforms from usmail.

The command:

```
usmail -f /tmp/kak -bs test -bt mxw
```

will core dump unless the -bc and -bb flags are also supplied with a value. An empty string ("") can be used if required.

Seen in: 9.00

34102

Wish
Inconsistent searching of mailboxes. Search in Incoming mail is different to Search in Check Mail Sent Should be the same. After a search in Incoming Mail which reports 'No letters match', the user is kept in the mailbox he was searching in. If you search in Check Mail Sent, user is returned to the LIST of mailboxes.

Seen in: 8.10

34107

umd_runix ignores any additional parts if the MIME message contains Nested Multi-part messages.

Seen in: 9.00

34108

If a file is picked from the File Manager to be mailed to someone and the path is greater than 55 characters it is not sent, no error messages are seen.

Seen in: 9.00

34134

If a MIME message is received with attachments that have filenames containing spaces (in Content-Disposition header), the attachments are named wrongly in UBS mailstore.

(Note that Outlook 97 does not use Content-Disposition, but Outlook 98 does.)

Seen in: 9.00

34141

Wish

When forwarding mail, should have the option to send or not to send the attachments with it.

Forward of mail that contains attachments currently gives no option other than to send the attachments with the mail. If you try to get round this by deleting the attachment(s) then PSR 30986 causes errors.

You should be given the chance to specify which, if any, of the attachments are sent.

Or, at the very least, a single question such as:

This message has attachments, do you want to send the attachments as well?: (y)

Seen in: 9.00

34142

If an incoming MIME message has nested multipart and two boundaries are adjacent this can be treated as the end of the UNIX mailbox and any further parts or messages are ignored, or text from an earlier message can be added to the end of this one.

In general, this was not seen in 9.00 because of PSR 34107.

34143

Wish

It would be useful if all the header lines in a message from a remote system were saved as an attachment.

Seen in: 9.00

To enable this, the #UMD_UNIX section of umail.rc must set MODE flag H (described in the Technical Guide).

34154

Wish

In order to support an IMAP server, mailbox names longer than 15 characters should be allowed.

Seen in: 9.00

34157

Two problems with external Uniplex mail with a name<mailbox address in the %TO list:

1) If umd_unix is processing more than one Unix mailbox, its arguments get corrupted and following mailboxes are not processed until the next run.

2) Extra copies of the message can be created. For example, %TO mail>jjh<box2,mail>test<anotherbox sends a copy to jjh<box2 and mail>test when the Unix mailbox for jjh is processed. Then when the Unix mailbox for test is processed, two copies are sent to test<box2 and three copies are sent to mail>test. Next time, five copies are sent to mail>test. And so on.

Seen in: 9.00

See Also: 13386

34159

Outgoing MIME-encoded mail always says it is using character set iso-8859-1. There should be a way to change this.

Seen in: 9.00

New environment variable Ucharset.

34179

e-mail with 76 characters and a dot get split at the dot and everything after the dot is lost.

When sending an email which contains a row with 76 characters and an ending dot, Uniplex will split the row up in two. The first row will contain all text and the second will contain a dot, which will cause sendmail to end the letter at the dot. All text following that row will be discarded. To reproduce in umail.rc have an entry as suggested by the manual:

```
COMMAND=/usr/lib/sendmail -t ,[LETTER];
```

Send and external email with the following line in the middle of the body:

It's not possible to have text after a line with 76 chars and an ending dot.

See how all text starting from the dot have been discarded

Seen in: 9.00

34180

Wish

An IMAP server based on the UBS mailstore would be useful.

Seen in: 9.00

34198

If MODE=B is set, using HEADER_INFO to save headers in the main body of the message does not work if they are split onto more than one line.

Seen in: 9.00

34219

Wish

Uniplex Word Processor formatting in outgoing mail is displayed by non-Uniplex mail clients. It would be useful to have the option to send a text/plain part in a MIME multipart/alternative message.

Seen in: 9.00

SYSMODE=MW now does this if main body of a message appears to be in Uniplex WP format.

34220

If a MIME message is received with an attachment that has a filename longer than 20 characters (in a Content-Disposition header), the name is truncated. Note that the Copy Letter To Document form will allow a name of up to 60 characters.

Seen in: 9.00

34221

If a MIME message is received with an attachment that has a filename containing 8-bit characters (in a Content-Disposition header), the encoded word is not decoded.

For example, in Swedish if a file called örjan is sent, Uniplex will name it =?ISO-8859-1?Q?=F6rj.

Seen in: 9.00

34222

If an attachment has a name with an 8-bit character, the name should be encoded when sent as a MIME message.

Seen in: 9.00

34262

Printed mail after Y2k that originates from non-uniplex systems has incorrect Date Sent (set to 1/1/70). Also shows up in Forwarded mail.

Seen in: 9.00

34274

When more than 1048575 non-Uniplex messages have been received on a system, new non-Uniplex messages are not visible in Uniplex Mail. The reason is that the names of the files in the UBS mailbox do not have the correct format. Instead of RRRRR.LLLLLLLL, they have a 6-figure reference number.

Workaround: delete the file UAP/umail/text/u-mailer/LETTERID to reset the sequence to 1, and rename the files in the mailboxes.

Seen in: 8.10

34275

Wish

The default configuration uses HEADER_INFO to save To, Cc, etc in the main message. In 9.10, it would be better to keep the message as it is received (the information is now saved in the %headers attachment).

Seen in: 9.00

34276

MODE=B copies the blank line from a non-Uniplex message into the main message. If there are no HEADER_INFO lines, this should not be done as it corrupts the message (e.g. for Content-Type: message/rfc822).

[Note that this does not apply to multipart MIME messages; for them the blank line is not copied, even when HEADER_INFO lines are present.]

Seen in: 9.00

34281

Five problems with Insert Mode in Memo Pad:

- a) a word can be wrapped onto a blank line. This can cause paragraphs to be combined.
- b) a "word" ending with a hard return can be wrapped onto the start of the next line. A new line should be opened for it.
- c) a new line is opened when a word is wrapped and the following line ends with a hard return. This is unnecessary.
- d) the cursor moves to the end of the next line when a space is typed at the righthand side of the screen. It should move to the start of that line.
- e) if the existing line fills the screen and has no spaces, text is lost off the righthand side. The line should be split.

Seen in: 8.10

34284

Wish

The existing facility for copying a mail reply to all recipients of the original message is controlled by MODE=C in umail.rc. It would be useful if this be selected for individual replies. This could be included in the Version 9.10 dialog box which asks if the user wants to include the original message in the reply.

Seen in: 9.00

FOL: File Manager, Folios, Trash Can, Filing in General

33488

Wish

In the File Manager, Personal Templates should be at the top of the Template selection list in create/properties forms.

Seen in: 8.10

This will only affect the display order.

33559

Root user (any user with HOME folder of "/") cannot access Personal Templates (ie: files in /UAP/outlines) using F5=List Templates on the CREATE and SEARCH forms.

Seen in: 8.10

33659

If Uniplex is installed under a symbolically linked directory, F5=List Templates on the Template field of the Create File Form shows no templates (other than Personal ones).

Work-around: edit UAP/ufilemgr/folder.ctl and change \$Uredirect settings on "T" lines to the explicit native path name. For instance, if Uniplex is installed in /uniplex/current, which is actually a symbolic link to /disk2/u8.10, then change all "T" lines. eg:

from: TB|\$Uredirect/UAP/outlines/wp|Word Processor Templates

to: TB|/disk2/u8.10/UAP/outlines/wp|Word Processor Templates Similarly, Personal Templates will never show in the F5 list if the user's \$HOME is a symbolic link.
Seen in: 8.10

File Manager displays templates if the path in folder.ctl matches the path in FM db and it is not archived. This is probably caused by adding a symbolic link after initial install. Or a failure of ufmscan during an install.

34140 Wish
Would like to be able to auto-type documents produced by WordPerfect 8 for Linux.
The format is called "WordPerfect 6/7/8" by Corel, it seems to be the same as WordPerfect 6.1, and our WordPerefct 6 converter will convert the documents.
Seen in: 9.00

34181
File Manager takes up more memory each time the directory list is refreshed. This is a problem when a large number of files are in a directory and File Manager is used frequently.
Invoke File Manager in a directory with 1000 files. Initial memory usage is 5.1MB. Refresh the directory listing from the ring menu and memory adds 3MB. This happens each time the list is refreshed and can eventually cause system problems.
Seen in: 9.00

34183
The internal data structures of the File Manager allow for filenames up to 1023 characters. This is a waste of memory, because all files with names over 62 characters are ignored.
Seen in: 8.10 See Also: :58974

34189
If the main branch of the File Manager display is deleted or renamed by another user, the Refresh command does not change the tree list, although it shows *No access to this folder* in the folder list.
Seen in: 9.00

GEN: General

34014 Wish
There should be more protection against unintentionally having a configuration which interprets two-digit years in the range 1900-1999. (With such a configuration, Uniplex is not Year-2000 compliant.)
There are two likely causes:

Version 7 not only had a default of 1900-1999, but it also set DATEMODE=C00 in uniplex.sys. Version 8.00, 8.10 and 9.00 have a default of 1941-2040, but the upgrade process respects an existing DATEMODE setting.

If DATEMODE sets any flags, but does not set flag C, the range changes from the default 1941-2040 to 1900-1999.

Seen in: 8.00

The upgrade process will now remove C00 if present in the central uniplex.sys, and syscomp called from uniplex.first will warn about the uniplex.sys of individual users.

If DATEMODE does not set flag C, the range now remains as 1941-2040 whatever other flags are set. If a range of 1900-1999 is really required, it is necessary to explicitly include C00 in DATEMODE.

34061

Sample phone list needs updating for Kings Langley Office

Seen in: 9.00

34073

Wish

If DATEFMT is set to show 4-digit years, then it would look more consistent if the date shown on the main menu of each application had a 4-digit year, even if the application does not enable them.

The menu title for ufill and uform only shows a 4-digit year if the corresponding letter (F or D) is set in DATEMODE. Processes such as the Word Processor have no corresponding letter and so they only show a 2-digit year.

Seen in: 9.00

34150

The DECAlpha V9.00 executables fail to run under Digital Unix 4.0E or a patched 4.0D. They work under the unpatched 4.0D that they were originally ported to.

The syscomp executable fails during installation with a core dump or "bad termcap" message.

MACHINE SPECIFIC: DEC Alpha

Seen in: 9.00

See Also: 33888

34163

On a terminal with HIGHBIT set in Tcap (e.g. uterm) hard tabs and footnote markers are not displayed correctly unless the character is explicitly MAPPED.

Seen in: 8.10

HIGHBIT now only applies to character codes 160 to 255.

34164

Wish

There should be some support for the new Euro sign.

Seen in: 9.00

The character code used in 128. The Euro sign can only be directly entered or displayed on Terminals and Printers on which the Euro sign is supported (Uniplex supports the sign on all PostScript printers). The default input maps are Esc % E and F20 = E, the default display on a terminal is an inverse video e, and the default output on a printer is the currency code "EUR". See Release Notes for more details.

34200

Preserving the old Welcome screen (e.g. WELCOME.810) was not part of the original on-line documentation screen, and its name is not translated. It would be better to remove it, as it is unlikely to be used.

Seen in: 9.00

34206

Although the abbreviation period hard character has an input map (Esc % .) it is not displayed or printed on most devices. [It should be possible to use this to print a dot without the following space being converted to two spaces after reformatting.]

Seen in: 9.00

GR: Graphics

8890

Gd_matrix will not do 0 line width's on outline BOXES. It draws the outline even if zero width is specified. 6.10/v7 Bug

Seen in: 7.00a

This fix is only effective if the Gcap entry for the printer includes DRAW_ZERO_OUTLINE=FALSE.

34036

When an RGIP BOX command is converted to a dot matrix, it includes the dots on all four sides of the rectangle. A tiff image converted by tiff2rgp is therefore printed with each of its pixels being smudged. The effect is more noticeable when the image is scaled down.

Seen in: 9.00

This fix is only effective if the Gcap entry for the printer includes SMALLER_BOX_FILL=TRUE. This is only supported by the gd_matrix and gd_x11 drivers.

34169

The Clip Art Flags (france, gb, germany, japan) are printed with black and white interchanged.

The Clip Art was correct for Tektronix terminals which had black background (color 8) and color 7 was white. But modern devices (e.g. PostScript and PCL printers and Uniplex Windows) map colors 8 and 7 to white and black.

Seen in: 8.10

34173

Wish

Maps in demo/CLIP_ART are too small to see on printout and colours make printing uneven. Needs resizing to fill graphic and colour set to black.

Seen in: 9.00

INS: Installation and Licensing

34011

If you are upgrading from Version 8.xx, the installation script does not automatically start the License Key Generation screen. So UNIPLEX sessions will start in DEMONSTRATION MODE. WORKROUND - After the upgrade start the License Generation process directly from the Software Installation menu, via the System Admin. one.

Seen in: 9.00

This fix was included in most ports of 9.00, and in the CD installation. The problem only affected installation from tape on IBM, SCO, HP and ICL.

34020

Upgrading from V9.00 (BETA) to V9.00 Does not work. Instead of upgrading ../UAP, it installs ../UAP/UAP as a new Uniplex. The problem is that the installation script identifies the OLD version of uniplex as 9.00 (BETA) (...), but then misinterprets this as being 9.00, and as the old and new version are the same, it refuses to do the upgrade.

WORKROUND:

as root, in the OLD UAP area "rm -rf UAP", to remove the items downloaded from the product tapes. Re create the UAP area from product tapes (TEXT and BINARY), and at about line number 194 in UAP/install, after the line:-

```
ver_string=`($TGT/UAP/bin/uniplex -V ) 2>&1`
```

add this line:-

```
echo $ver_string | sed "s/9.00 (BETA)/9.00BETA/"
```

If the first attempt at the installation was completed you may want to restore the previous versions of /usr/bin/uniplex etc.

Seen in: 9.00

34115

After an upgrade, users who have a `system.comp` file, should run `sys-comp -h -s` to get any changes that have been made to the central `uniplex.sys`.

Seen in: 9.00

This is now done by the `uniplex.first` script when displaying the Welcome to Version 9.10 of Uniplex messages.

The old file is saved in `HOME/UAP/system.comp.n.nn`.

34116

The upgrade script `textcmp` should give a better message if a file is not readable, and the usage should say `textcmp`, not `textmp`.

Seen in: 8.10

34117

If the file `UAP/.installation/BASE/.installed` is lost, then upgrade will fail because `upd.holidays` is deleted before being used. Workaround: use touch to create the missing `.installed` files.

Seen in: 8.10

34118

Installation script should complain if `UNIPLEX` is defined and is not the same as `Uredirect`.

Seen in: 8.10

PC: Process Switcher

34161

At one place in the `pc_suspend()` function, the process id is saved in a short (16-bit) variable. Potentially this might cause the process to hang on systems that use process ids greater than 32767.

Seen in: 9.00

PRT: Printing, Print-to-Screen, Index, T-o-C
--

10912

Wish

Maximum file name for printing is limited to 44. Why not longer, say 64.

Seen in: 6.01

The field on the Print Screen is now a scrolling field with a width of 100 characters. This is sufficient for the 80- character names which can be generated by a `<FILE>` keyword in `uniplex.menu`.

34023

Wish

UPROP needs an option so that when printing for two sided documents, 1) Using the .PN and 2) at the end of the document, it automatically checks whether a blank page is required.

For example a .PN 7 command which would renumber an EVEN numbered page should throw a blank side, before starting page 7. Similarly if the last page of a document has an odd number, then a blank side should be produced.

This option would have to be controlled by a style parameter, I would suggest '-2', as in two sided printing.

Seen in: 9.00

This INITIAL IMPLEMENTATION is controlled by an environment variable, Uprop_KPE, (Keep Pages Even) which must be set to a non null string, such as "ON".

34043

Switching to edit mode from preview mode appears to loop if the cursor is within a block or paragraph being kept together by .PMS or .PM0. Instead of moving to the correct position in the document, the Word processor moves to an arbitrary position (e.g. on page 995) and it takes a long time to reach this point. (Also on some machines, uprop can crash before the preview is displayed.)

Workaround: Set environment variable Unowdpdtrack=no so that no attempt is made to keep the two modes in step.

Seen in: 9.00

34064

The list of Pcap entries on the Create a New Printer form can be affected by the LANG and LC_COLLATE environment variables. If two names sort equally, only one is shown.

Seen in: 8.10 Fix included in 9.00 port for Unixware.

34069

Printing can be slow. This is caused by a conflict between optimization code in uprop and the PTX operating system.

Workaround: set PRTOPT=off.

MACHINE SPECIFIC: Sequent PTX

Seen in: 8.10

34095

Wish

update calls in the standard UBS scripts should use %Y instead of 19%. The Version 9.00 update will generate the correct year with either of these forms, so the change will not have any effect.

But the change should stop people panicking when they think they have found a Year 2000 problem.

Seen in: 9.00

RW: Report Writer (UREPORT)

34268

PSRs 13225 and 34267 under Database also apply to the Report Writer (when called from the Database Forms menu). The options affected are Delete a Report, Copy a Report and Rename a Report.

Seen in: 9.00

SCR: Screen Builder, Formfill Manager (UFILL)

34269

PSRs 13225 and 34267 under Database also affect Screen Builder. The options affected are Copy a Screen and Rename a Screen.

Seen in: 9.00

SPL: Spelling, Dictionaries and Thesaurus

34007

Attempting to update a supplemental dictionary fails with a fatal error when the lex file reaches 32k in size.

Attempting to create a medical dictionary with a word list of 8096 words fails with an error:

Add update: Fatal Error

On the next line the last word that was processed is shown Investigation of the ve044<x>51.lex file shows that it reaches 32k in size.

This has the disadvantage that a large word list has to be split into multiple dictionaries.

Seen in: 9.00

34057

The thesaurus hangs or core dumps if the word has more than 16 meanings (including "antonym..." and "related word..." if appropriate).

The only word affected in the British and American thesaurus is "cover". In the German thesaurus, "halten" and "leiden" are affected.

Seen in: 9.00

SS: Spreadsheet

31281 Wish
Would like an export in 1-2-3 format option from the Uniplex spreadsheet. Would need to be in Lotus 1-2-3 version 2.xx format.
Seen in: 7.01

The converter from Small World Software is now included in the base product. This converts to Lotus 1-2-3 Version 3 or 4 format [not Version 2].

34129
If SSBACKUP is enabled, and the filename of the spreadsheet is more than 19 characters, the program exits with the message "Crashing! directories gone!"

MACHINE SPECIFIC: Sun

sparc
Seen in: 9.00

34130
The File->Options menu item which was added in Version 9.00 has no help. Pressing F10 reports:
help topic not found - cannot help! 'FILE.Options' : 'issi.help'
Seen in: 9.00

34165 Wish
The choice of currencies for monetary formats should include the Euro.
Seen in: 9.00

TM: AOS Time Manager (Alarms, Diary, UCLOCK, UDIARY)

34009
With the specified PTX version running on new NUMA/Q platforms the alarms do not work as they should. In all cases the asterisk box is used even when a user is in a full screen Uniplex application. The variable Utty is being set to the users name rather than the device name (of the form /dev/ttyAG/AAGM). In normal working the Utty variable should have become ttyAAGM thus making an alarm file of Utemp/WPMS[0-9]ttyAAGM On the console of this port, the alarms seem to work fine.

MACHINE SPECIFIC: Sequent Numa/Q , PTX

4.4.1
Seen in: 8.10

34010

IF the uniplex system was created by upgrading, and the DATEMODE includes a 'C00' option (explicitly or implicitly), then the V9.00 UK diary.holiday file (which includes holidays for the year '00', will not be compiled properly, and the report:-

Problem in holidays file, some entries lost- Press RETURN to cont will be reported.

WORKROUND:-

Reset the DATEMODE to include 'C41', or whatever, and rerun uniplex -run syscomp -s.

Seen in: 9.00

See PSR GEN:34014 for details of fix.

34072

The 31st December 1999 will be a holiday in UK (Millennium Holiday).

Seen in: 9.00

Also added holidays up to 2004 to diary.holiday, and removed old ones before 1998.

34106

Y2K problem in Plan views in Time Manager. Shows dates with leading 19 so that after year 2000, dates are wrong.

Only in the Weekly and Monthly views, daily are fine

Seen in: 9.00

34125

Wish

There should be a DATEMODE letter to enable the use of 4-digit years throughout the Time Manager (at present some dates are displayed with 2 digits, and some with 4, but the user cannot control this).

Seen in: 9.00

The new DATEMODE letter is T.

34127

With the default DATEMODE, the behaviour of the Time Manager after 2040 seems bizarre. It displays 1941-1950 and then jumps to 1972.

Seen in: 8.10

The Time Manager now always works from 1972 to 2050 regardless of the DATEMODE=Cnn setting.

34203

Wish

Would like to be able to turn off alarms for more than 256 users.

Seen in: 9.00

The default alarm handling can now be controlled by using the #UCLOCK_DEFAULT section in UAP/diary/diary.rc.

34205

Wish

It would be useful to have an option to unlock to clean the pc/MASTER table as a housekeeping command, without having to wait for 5 cycles without an alarm.

Seen in: 9.00

WP: Word Processor

7325

UNDO after an autowrap does not undo properly. You get left with erroneously duplicated text on the second line.

Seen in: 7.00

8165

If you delete a line of a column, in multi-column layout, then hit restore it does not always replace the line, sometimes it doubles the line of text below. Generally the restore does not toggle the last command in multi-columns.

Seen in: 7.00 This was actually fixed in 8.00.

8689

In wp having used the ring menus to insert a line, hitting ESC u does not undo the operation, it results in the line below the one just inserted being copied onto the new blank line.

Seen in: 7.00a

See Also: 7325

8858

If you UNDO an operation on the first line of a document, before moving off that first line, then it is completely replaced by the first line of the LAST document you edited - not the one you are editing.

Seen in: 7.00a

9642

Add a line in WP, then go into insert mode and add some words in the middle of the line so that the line wraps. Hitting esc u will not restore the line properly.

Seen in: 6.10c

See Also: 7325

9815

WP Multi-columns: Control X (delete) followed by Control R (undo) restores incorrect line. This works differently than single column, where continuous undo's toggle.

Seen in: 6.10c

See Also: 8165

This was actually fixed in 8.00. In multi-columns, delete line can only be undone once.

31678

Multicolumn mode: Pressing RETURN with INSERT mode on, which causes a line to reach and scroll past the bottom of the screen, can cause duplication of lines if ESC U is used to UNDO the action. TO REPRODUCE. Take the attached document and press:

Esc b

move the cursor up to row 61 column 1 (page 2)

Esc i

Press return twice and then press Esc U.

The text "SLG" now occurs on two lines (Esc V will not clear).

Seen in: 7.01b , 7.02

See Also: 30935

34103

Undo does not work correctly after paste or merge insert of a single line into the middle of a text line.

It correctly restores the line, does NOT delete the text that has been wrapped to the next line, and DELETES the line after that. (It seems that this went wrong in Version 6.10. It is even worse in Versions 8.00 to 9.00 - paste or merge insert of several lines also cannot be undone, nor can inserts at the end of a line.)

Seen in: 7.02b

34104

If a complex editing operation (e.g. reformat paragraph) is followed by cursor up or down operations, then undo undoes the edit instead of the cursor move. With a simple one line edit, the first undo correctly undoes the cursor move, and a second undo undoes the edit.

Seen in: 7.02b

If the last operations were cursor up/down, undo now always moves the cursor to its position before the edit, and a second undo undoes the edit. This is an exception to the general rule that only the last operation can be undone.

34105

After doing an undo command, further undo commands toggle the cursor between the columns where the cursor was before and after the original command.

The text does not change, and the cursor does not move to the line it was on after the original command. (It seems that there was once the idea that a second undo should re-do the command, but if this ever worked it was removed before Version 6.)

Seen in: 7.02b

34147

A paragraph that is split by a ruler line or dot command is treated as two separate paragraphs and justification is not carried over Example: Page of two column text, full justification.

A new ruler is inserted half way down to add bullet points. Where the

ruler crosses a paragraph, the text above it is formatted as if it was the end of a paragraph and the text below is formatted as if it was the start of a paragraph.

Seen in: 9.00

As a partial solution, a new dot command .UP11 (which is shown by the Word Processor as "Select Language : 11") allows the previous line to be justified regardless of the content of the next line. This new command can be inserted just before a ruler (or dot command, e.g. .GR) and the justification (ruler character J) of the previous paragraph will be applied to its last line. It is still necessary to manually split the text before and after the ruler to roughly fill the line before the .UP11.

34238

Using downarrow to call the File Manager for "Edit a Document" can cause corruption in the Word Processor process. The effect is machine dependent, and has only been seen in an early 9.10beta on Dec Alpha. On that platform it caused all bold effect text to be lost.

Seen in: 9.00

YTG: Technical Guide (on-line)

33710

Mail configuration documentation should explain how sites using several UBS systems locally networked but with a single "public" email address for all users (eg: username@company.com) can arrange for the reply address seen by non-UBS recipients to be this public address instead of the one for the internal system they work on (eg: username@local.machine). The way to do this is to use FORMAT= in the system section of umail.rc to add the SMTP Reply-To directive to the "Unix" mail header. For instance, machines on the Uniplex internal network could modify the "unixmail" #FORMAT section to read:

```
#FORMAT
NAME = unixmail;
:HEADER
Reply-To: [FROM@uniplex.co.uk
Subject: [SUBJECT]
))
```

Seen in: 7.02

34114

The Technical Guide was not updated when syscomp -s was changed to preserve users' rulers (PSR 31339 in Version 9.00).

Seen in: 9.00

34255

Wish

Explanation of the DATEMODE flags should make it clearer that 2-digit years used in input with usql will not be affected by the Cxx flag. This information is buried near the end of Chapter 8.

Seen in: 8.10

34277

The Informix Administration section of the Technical Guide (in Chapter 8) says that Informix always assumes 2-digit years are in the range 1900-1999. This is not true for Informix 5.10.

Informix 5.10 will interpret the date depending on the DBCENTURY environment variable. If DBCENTURY is not set, it copies the first two digits from the current date, so it now assumes the range 2000-2099.

Seen in: 9.00

Appendix B - Known Problems

The following pages describe various known problems with, and common enhancement requests for, this release of Uniplex.

DBF: Database

11067

Wish

When running in DEMONSTRATION MODE, Database Forms should tell you that a FIND, NEXT or PREVIOUS has failed due to the 50-record license restriction, rather than just saying "No (more) records found".

Seen in: 6.10c

FOL: File Manager, Folios, Trash Can, Filing in General

33220

Wish

The filenames found from the File Manager using "Find->By Name" and "Find->By Content" should be displayed and accessible in the File Manager, just as the "Find->Search Index" ones are.

Seen in: 8.10

33286

Wish

You should be able to disable the File Manager's automatic replacement of Unix directory names by text strings from folder.ct1 - ideally from a preference, but certainly with an environment variable.

Seen in: 8.10

33287

Wish

Horizontal and Vertical scrolling in the File Manager could be improved:

- The Tree list often scrolls sideways unnecessarily. Even when it is necessary, rightwards scrolling leaves no indication that hierarchy lines and leading folder name text have been clipped. There should be some form of indicator that this has happened (cf: the vertical "scroll bar" in the Keywords list).

- When scrolling vertically, a complete page is scrolled when you move the cursor off the top or bottom of the list. This can cause a confusing loss of context. For instance, on expanding (+) a folder in the last line of the Tree View nothing visible happens (since the expansion is on the next screen).

Seen in: 8.10

33312

When displaying "Last modification" or "Size", the Refresh command does not update these fields if they are the only things that have changed in the folder list. Likewise re-opening a folder which has a cached list does not update these fields.

Seen in: 8.10

33328

COPY should not lose focus on source file

Seen in: 8.10

33331

When you use F5=File Manager from the File Manager's Move or Copy dialog, when you return to the dialog from SELECT mode, the dialog has a blank background (rather than the tree/folder display).

Seen in: 8.10

33339

Wish

When folder list is cleared while being prepared, it would be nice if the "Busy..." messages was in the folder area, not the hint line, because this is where your eye is looking.

Seen in: 8.10

33340

The boxing round the file permissions on various forms have incorrect characters on some of the inner joints (lines don't quite join up).

Seen in: 8.10

33343

Wish

Some enhancements that could be made to the File Manager:

- Menu option File->New->Template would be useful, saving the need to move to a template area before doing File->New->File.
- Folder field on Create forms should be read only.
- The Type field on the Create Folder form is confusing and should be omitted.
- When some actions are complete, you should be returned to the menu, not the Main Screen. eg: Move, Copy
- Rapid properties preference, where subset of properties of current file/folder shown on hint line.

Seen in: 8.10

33346

Make Main Branch (in folder list) provides a loop-hole in the Non Accessible folder mechanism (folders marked "H" in folder.ct1). If such a folder is Expanded, it becomes the current folder and shows with "No access to this folder". However, Make Main Branch then makes it the current folder and shows its contents (because it is now the base folder as if opened using Open Folder).

Seen in: 8.10

33347

Make Main Branch (in tree list) does not recalculate the "No access to parent" status of the current folder. If the new base folder is one of these (marked with a "B" in the folder.ctl file), this does not become apparent until the user navigates into a sub-folder and back out again, which is confusing.

Seen in: 8.10

33353

Wish

Folder list display of template area should ignore user's DISPLAY DE-TAILS "Name/Title" preference and always show name of files and folders in template areas as the first non-empty string from:

- Text entry from the folder.ctl file
- The item's Title
- The normal Name display for other files.

Also, the Properties form should insist that a non-empty title is supplied for items in Template areas.

Seen in: 8.10

33355

If the File Manager is first invoked from a split screen application (eg: F9/F6'd WP), whenever it invokes that application again (eg: from its Application menu) the application will run in the same split screen size.

Seen in: 8.10

33409

Wish

As in the Word Processor and Spreadsheet, the File Manager should let you use CTRL-\ to interrupt potentially lengthy operations, such as:

- Search
- Convert
- Copy, Move, Delete of very large files.

Seen in: 8.10

33425

The File Manager does not handle files with 000 protection correctly. Attempts to copy them fail with "No write permission" (sic). Attempts to change their properties fail with an empty ERROR dialog.

Seen in: 8.10

33442

If the File Manager is first started using F12/F4, whenever you Quit from it, the application you return to beeps.

Seen in: 8.10

33458

Wish

Add a "Restore from Trashcan" option; simpler than the current procedure of moving a file back from the Trashcan.

Seen in: 8.10

33514

The File Manager program does not change its working directory. When you shell out (eg: using the Applications menu), you are not in the current directory, but in the directory that the File Manager was first used from. This is confusing for a Unix-literate user.

Seen in: 8.10

33516

Wish

The UFMSCAN utility core dumps if there is not enough temporary disk space in the Uniplex \$Utemp area to run the database query.

Work around: if you can't free up enough space on the \$Utemp filesystem, set DBTEMP in the dbs/interfaces FILE_MANAGER section to the name of a directory on one with more space.

Seen in: 8.10

33550

Wish

Unlike earlier versions of Uniplex, if, from the main menus, you use the File Manager to select a file that is not in the (main menu applications') working directory, the application does not force you to change directory to that containing the selected file.

There should be an option to allow this mode of operation. For instance, a File Manager "Auto-change to folder of selected file?" preference with three values:

- NO (ie: work as per current version 8.10)

- YES (ie: do it automatically)

- CONFIRM (let user confirm change each time it may be needed)

Note: the most effective way to manage your way round folders is to use Open from the File Manager to access files (which runs the appropriate application in the files parent folder).

Seen in: 8.10

33652

Cannot print a document containing Print-Time-Merged files (graphs or text) from the File Manager unless the pathnames are relative to the File Manager's working directory (the one it was first invoked from, NOT the current directory seen by the user).

eg: if document /usr/any/docs/main.wp contains ".ME appendix.wp", and you start Uniplex and the File Manager from /usr/any,

F2->Actions->Print on "main.wp" will fail, with:

"uprop error : cannot open merge file /usr/any/appendix.wp"

Work-around: Open the document and print from within it.

Seen in: 8.10

See Also: WP:33434

GEN: General

33192

Wish

The operation of various ring menus is inconsistent:

1. In the Mail, Time Manager and File Manager ring menus, focus stays on the last-used item. However in Print to Screen and Database Forms it always reverts to the first item.
2. In the Word Processor and Spreadsheet, typing the first letter of the ring menu item will action it, but in the other ring menus, moves the cursor to the item and you must press RETURN to action it.
3. The File Manager drop down menus are only "typomatic" within a drop down. You can't move to another drop down using letter keys (eg: "/ A" does not take you to the Actions menu). Typing the letter of a drop down action does not "load" the appropriate form (eg: you can't type "/ A C" to load the File->Actions->Copy form).

Seen in: 8.10

See Also: 30933

INS: Installation and Licensing

33620

Character Clients and the File Manager fail with "Failed to read udastc.msg" if you lose the symbolic links with the \$Unode and/or \$NVO areas. For instance, if you back-up and restore the \$Unode area with a utility that loses the symbolic link from \$Unode/NVO to \$Unode/NVO.subset (or other \$NVO area on an ongo-link'ed system), when a Character Client or the File Manager next starts it will attempt to create the directory \$Unode/NVO and fail with this error message. If the user is root, the \$Unode/NVO directory will be created. If not, it won't and the application can fail without showing any error.

Seen in: 8.10

PRT: Printing, Print-to-Screen, Index, T-o-C

33127

Wish

When the new Print-to-Screen ring menu is active, it would be nice if: a) direct commands (such as CTRL-d for next page, Esc-f for Find and Esc-xe for Edit Mode) were accepted. b) "Focus" stayed on the last used ring menu option. For instance, having pressed "N" for Next_Page, this option should remain highlit, so you could just go on pressing RETURN to continue Next_Page-ing.

Seen in: 8.10

See Also: GEN:33192

SS: Spreadsheet

33115

When using Bordered Area titles, attempts to move the cursor into the Bordered area are not allowed, and just move the cursor to the nearest cell to the target. For instance, if borders are set at B4, F5=Goto D2 will go to D4. This is fine for real user input, but means that macros or list files that attempt to move the cursor into such areas can fail. Macros which use self modification techniques can also loop. To avoid this they should always set off borders before processing.

Seen in: 8.10

33600

When using the new Border titles, on-screen Page Width markers do not reflect the border column(s). The printed page width breaks are correct, but the on-screen marker shows the break as it would be if there was no vertical border.

Seen in: 8.10

See Also: 33160

34089

The .wk4 files produced by the Lotus 1-2-3 export converter cannot be read by Excel 97 (although they can be read by Lotus 1-2-3 Version 4). Workaround: use the .wk3 export option instead.

Seen in: 9.10

UXW: Uniplex Windows

33241

If you repeatedly and rapidly Quit from last UTERM window and then press Restart button on new "Exit Uniplex Windows?" dialog, the dialog becomes unusable, and you have to use MWM close button to kill it (and therefore the UXW session).

MACHINE SPECIFIC: IBM RS 6000 ,

AIX

Seen in: 8.10

33430

The File Manager help glossary terms are not mouse sensitive. Return displays the text box correctly but a mouse click does nothing.

Seen in: 8.10

33619

Every time a new Uniplex Window is opened, two warning messages appear on the terminal from which "uxwindows" was run, both saying:

```
"No type converter registered for 'String' to 'Bitmap' conversion"
                                     MACHINE SPECIFIC:  IBM RS/6000 , AIX 4.1
```

Seen in: 8.10

See Also: 33617

33628

"8 bit" characters in window titles and icon names will only be correctly displayed if the appropriate Window Manager resources specify a font that can display them. For instance, add the following to \$HOME/.Xdefaults:

```
mwm*fontList :
```

```
-adobe-helvetica-bold-r-normal--10-100-75-75-p-60-iso8859-1
```

```
LANGUAGE: All non-English
```

Seen in: 7.02

WP: Word Processor

33207

When saving a file, if you use DOWNARROW (or a softkey) for the File Manager and then Quit from the CREATE FILE form, you should not get the error "Cannot write to document". This is one symptom of a general problem with quitting from CREATE mode (which has existed in Uniplex for a long time - you got exactly the same using the preceding "Folios" system). In many other instances of Quit from CREATE mode, this also quits the original filename entry form in the application, when it should just return you to it.

Seen in: 8.10

33434

Using the File Manager to select Print-Time-Merged files (graphs or text) can give ambiguous pathnames if you save a document in a different directory. For instance: Create document, Print-Time-Merge merge a file from sub directory "sub1" using the File Manager (ie; creating ".ME sub1/subfile" line). Save the document in a sub-directory "sub2". Then print the document, and you get the error message "cannot open merge file sub2/sub1/subfile" flashed on the screen.

Seen in: 8.10

33560

If, when editing a file not in your current folder, you downarrow to the File Manager to edit the filename on a print time merge command which has a pathname that is not valid relative to the current folder, the File Manager shows you files in your current folder, not the folder of the file you are editing. For example:

- edit file "sub1/mainfile"
- use F2->File->Merge>_Print_Time_Merge to create a ".ME" command. Use downarrow, and you are correctly shown files in the "sub1" sub-folder.
- Select a file in this folder, "subfile". The ".ME" command is correctly set to ".ME subfile" (NOT ".ME sub1/subfile").
- Now edit the ".ME" line and type downarrow and you are positioned in the current folder, not "sub1".

Seen in: 8.10

33575

Wish

When you create a UNIPLEX II PLUS file from the File Manager and don't use a template, it creates an empty file. It should create an empty Pre-styled document, using the default Word-processor printer and style (as happens when you use Create in the Word-processor menus). Also, when you create a new file it should automatically be opened.

Seen in: 8.10

YOT: Other Uniplex Manual or Help Text

33689

Guides should explain that if TERM is set to one that is not defined to have an ESCAPE key, you must use the appropriate keyboard leadin key instead of ESCAPE for Uniplex "direct" commands (such as "Esc q" for Quit).

This is the case with most VT200-derived terminals, where the DEC defined leadin keyboard key is (or should be) labelled "DO". However, many VT200-alike terminals also have one labelled "Esc". Since VT200-derived terminals usually operate correctly as a VT100, if using such a terminal with an "Esc" key on the keyboard it is therefore safest to set TERM=vt100.

Otherwise, if using one of these whose "DO" key doesn't work as expected, or which doesn't have a "DO" key, type the five characters: Ctrl-[[2 9 ~ (Control-square brace, square brace, two, nine, tilde) wherever a Uniplex manual says "Esc".

For instance, to quit Uniplex, type: Ctrl-[[2 9 ~ q

Seen in: 8.10

