

SOFTWARE UPGRADE

Upgrading 328XD Software

164

UPGRADING 328XD SOFTWARE

328XD software can be upgraded from an Apple Macintosh or IBM compatible PC running Microsoft Windows 3.1, 9x, 2000, XP or Me. The instructions below should be followed carefully.

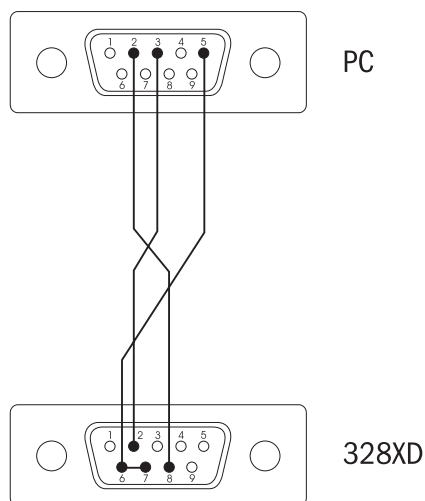
Data backup

All stored 328XD data should be backed up before upgrading to a new version of software. The MIDI Dump Out procedure outlined in **Section 3J Part 5.5** should be followed. To store data to a single MIDI System Exclusive file, the All Data dump should be made.

Upgrading from an IBM compatible PC

Make the connection between an available PC COM port and the 328XD RS-422 port with the 9 pin female - female D-Type PC Upgrade Cable supplied with the console. A cable can be purchased from your Soundcraft dealer if required. Alternatively, if you wish to wire up a cable yourself, consult the pin-out diagram. The sleeved end of a supplied cable should be connected to the PC COM port.

NOTE: A standard 9 pin D-Type serial cable cannot be used to upgrade 328XD software.



Viewed from solder side

Switch off the 328XD and enter Upgrade Mode by switching in the software download switch, located between the Link Port and Auxiliary Optical Output on the rear of the console.

Boot the PC

NOTE: If the downloaded software is in compressed .zip format, extract the .abs software before beginning the upgrade procedure.

UPGRADING FROM WINDOWS 3.1

From Windows 3.1, launch the Terminal program, usually located in the Accessories group.

Ensure that the settings are as below:

- Bits per sec: 115200
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: None

Switch on the 328XD. The console will now boot into Upgrade Mode, in which all of the console LEDs will remain illuminated.

The software upgrade menu should appear in the Terminal window. The steps below should now be followed:

- Press 'X' on the computer keyboard as prompted in the Terminal window:

'x' for XMODEM (1K) transfer

- Open the 'Transfer' menu and select 'Send Binary File'
- Select the 1K XModem transfer protocol
- Select the .abs 328XD software file in the filename field from its location on the hard or floppy disk drive
- Click 'Send'

A transmission window will appear, a progress bar indicating when software transfer is underway.

NOTE: The console may time-out before the software has been sent from the host PC. If this is the case, power the console off and on. The menu will reappear in the Terminal window. Repeat the steps above.

- When the transfer is complete, press 'P' on the computer keyboard as prompted in the Terminal window:

Press 'p' to program flash

- Wait for the flash to be programmed. Do not switch off the console during this process
- Disengage the recessed download switch when prompted by the message in the Terminal window:

Now - turn the download switch off!

- The message 'Digital 328XD running' will appear in the Terminal window and the console will boot with the new software installed. Once the console has booted, a confirmation message will be displayed on the 328XD LCD:

- Exit the Terminal program. You will be prompted to save the settings. Enter '328XDDupgrd' or similar.

UPGRADING FROM WINDOWS 9X, ME, NT, XP, 2000

Launch the Hyperterminal program, usually located in Start|Programs|Accessories.

- When prompted, enter a filename such as '328XD Upgrade' or similar.
- Click 'OK'.
- The 'Phone Number' window will appear. Set the 'Connect using' dialogue to 'Direct to Com 1' or 'Direct to Com 2', depending on the connection you have made.
- Click 'OK'
- The Com port properties window will appear

Ensure that the port properties are configured as below and click 'OK'

- Bits per sec: 115200
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow control: None

Switch on the 328XD. The console will now boot into Upgrade Mode, in which all of the console LEDs will remain illuminated.

The software upgrade menu should appear in the Hyperterminal window. The steps below should now be followed:

- Press 'X' on the computer keyboard as prompted in the Hyperterminal window:

'x' for XMODEM (1K) transfer

- Open the 'Transfer' menu and select 'Send File'
- Select the 1K XModem transfer protocol
- By clicking 'Browse', select the .abs 328XD software file in the filename field from its location on the hard or floppy disk drive
- Click 'Send'

A transmission window will appear, a progress bar indicating when software transfer is underway.

NOTE: The console may time-out before the software has been sent from the host PC. If this is the case, power the console off and on. The menu will reappear in the Hyperterminal window. Repeat the steps above.

- When the transfer is complete, press 'P' on the computer keyboard as prompted in the Hyperterminal window:

Press 'p' to program flash

- Wait for the flash to be programmed. Do not switch off the console during this process

- Disengage the recessed download switch when prompted by the message in the Hyperterminal window:

Now - turn the download switch off!

- The message 'Digital 328XD running' will appear in the Hyperterminal window and the console will boot with the new software installed. Once the console has booted, a confirmation message will be displayed on the 328XD LCD:
- Exit the Hyperterminal program. You will be prompted to save the settings. Click 'OK' to store the configuration.

Upgrading from an Apple Macintosh

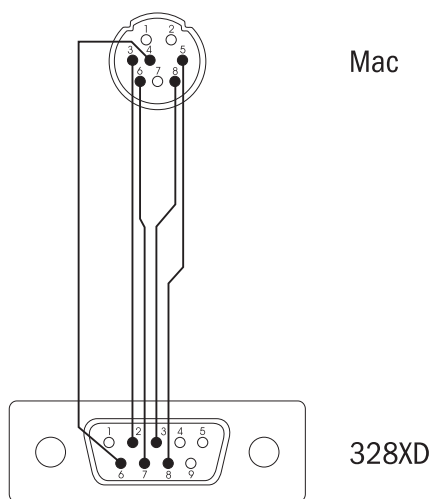
Unlike Terminal or Hyperterminal for Windows, the transfer software is not included with MacOS. You will need to locate and install a copy of ZTerm software. A download of this software is available from the Soundcraft website.

Make the connection between the Macintosh Modem port and the 328XD RS-422 port. Do not use the Macintosh Printer port. A 328XD Apple Macintosh upgrade cable can be purchased from your Soundcraft dealer if required. Alternatively, if you wish to wire up a cable yourself, consult the pin-out diagram.

NOTE: A standard serial to 9 pin D-Type serial cable cannot be used to upgrade 328XD software.

NOTE: Blue G3 and G4 Apple Macintosh computers do not possess a serial modem port. You should consult your Macintosh dealer about how to upgrade your machine to include the serial port.

Switch off the 328XD and enter Upgrade Mode by switching in the software download switch, located between the Link Port and Auxiliary Optical Output on the rear of the



Viewed from solder side

console.

Boot the computer.

NOTE: If the downloaded software is in compressed .zip format, extract the .abs software before beginning the upgrade procedure.

Before you begin to upgrade the console, disable AppleTalk and any Fax software you have installed on the Macintosh.

Launch the ZTerm program.

- From the 'Settings' menu, select 'Connection'
- The terminal settings dialogue will open. Configure this as below:

Service Name:	328XD Download
Phone Number:	leave blank
Pre-dial init:	leave blank
Account:	leave blank
Password:	leave blank
Data Rate:	115200
Data Bits:	8
Parity:	None
Stop Bits:	1
Local Echo:	leave unchecked
Xon/Xoff:	leave unchecked
Hardware Handshake:	leave unchecked

- Click 'OK'.
- From the 'Settings' menu, select 'Transfer Options'
- Configure the 'Transfer Options' dialogue window as below:

Send:	Xmodem 1k...
Receive:	Xmodem

All other fields should be left unaltered

- Click 'OK'
- From the 'Settings' menu, select 'Modem Preferences'
- Check that it is set as follows:

Serial Port:	Modem Port
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All other fields should be left unaltered

- Click 'OK'

Switch on the 328XD. The console will now boot into Upgrade Mode, in which all of the console LEDs will remain illuminated.

The software upgrade menu should appear in the ZTerm window. The steps below should now be followed:

- Press 'X' on the computer keyboard as prompted in the ZTerm window:

'x' for XMODEM (1K) transfer

- Open the 'File' menu and select 'Send Xmodem-1k'
- When prompted select the .abs 328XD software file in the filename field from its location on the hard or floppy disk drive
- Click 'Open'

A transmission window will appear, a progress bar indicating when software transfer is underway.

NOTE: The console may time-out before the software has been sent from the host Macintosh. If this is the case, power the console off and on. The menu will reappear in the ZTerm window. Repeat the steps above.

- When the transfer is complete, press 'P' on the computer keyboard as prompted in the ZTerm window:

Press 'p' to program flash

- Wait for the flash to be programmed. Do not switch off the console during this process
- Disengage the recessed download switch when prompted by the message in the ZTerm window:

Now - turn the download switch off!

- The message 'Digital 328XD running' will appear in the ZTerm window and the console will boot with the new software installed. Once the console has booted, a confirmation message will be displayed on the 328XD LCD:
- Exit the ZTerm program. You will be prompted to save the settings. Click 'Yes' to store the configuration. When you next start ZTerm, the configuration will have been memorized.

