

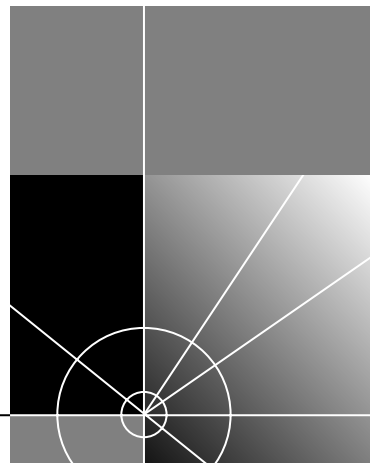


OfficeConnect™ NETBuilder® Bridge/Router

Software Release Notes
NETBuilder Software Version 10.2

<http://www.3com.com/>

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OFFICECONNECT™ NETBUILDER® SOFTWARE RELEASE NOTES

Introduction

These release notes provide information on the following topics for NETBuilder® software version 10.2 for the OfficeConnect NETBuilder Model 13x:

- Supported platforms
- Software Features
- Performing image-only software loads using TFTP
- Notes



In addition to these release notes you should read the NETBuilder Family Software Version 10.1 Release Notes on the 3Com Documentation CD-ROM.

The NETBuilder Family Software Version 10.1 documentation set is also available on 3Com's InfoDeli website. To access the InfoDeli website, point your browser at the following URL:

http://infodeli.3Com.com/infodeli/tools/bridrout/u_guides/html/nb101/family.htm

Supported Platforms

NETBuilder software version 10.2 is preinstalled on the OfficeConnect™ NETBuilder models 131, 132, and 137.

Software Features

The OfficeConnect NETBuilder model 13x family of bridge/routers supports three different software packages in NETBuilder software version 10.2. Table 1 lists the features and associated hardware requirements of each software package.

Table 1 OfficeConnect Software Packages

Model	Software Package	Features Supported	Required Hardware
131	(BX) - Boundary Router	<ul style="list-style-type: none"> ■ 28 maximum virtual ports ■ Boundary routing leaf node ■ PPP, MLP ■ Frame Relay ■ X.25 ■ Dial ■ FTP 	<p>For single-image support: 4 MB flash memory drive and 8 MB DRAM</p> <p>For dual-image support: 8 MB flash memory and 8 MB DRAM</p>
132	(AB) - IP/IPX Router	<ul style="list-style-type: none"> ■ 28 maximum virtual ports ■ Bridging ■ IP (Routing, OSPF, Firewall, NAT) ■ Multicast IP ■ IPX ■ PPP, MLP ■ Frame Relay ■ SMDS ■ X.25 ■ X.25 Switching/Tunneling ■ Dial ■ FTP 	<p>For single-image support: 4 MB flash memory drive and 8 MB DRAM</p> <p>For dual-image support: 4 MB flash memory and 8 MB DRAM</p>
137	(OF) - Full Router	<ul style="list-style-type: none"> ■ 28 maximum virtual ports ■ Boundary Routing Central Node ■ Bridging ■ IP (Routing, OSPF, Firewall, NAT) ■ Multicast IP ■ BGP ■ IPX ■ XNS ■ AppleTalk ■ OSI ■ Vines ■ DECnet Ph-IV, Ph-IV/V GW ■ DLSw ■ BRITSS ■ PPP, MLP ■ SDLC ■ SHDLC ■ Polled ASYNC/BISYNC ■ Frame Relay ■ SMDS ■ X.25 ■ X.25 Switching/Tunneling ■ Dial ■ FTP 	<p>For single-image support: 4 MB flash memory drive and 8 MB DRAM</p> <p>For dual-image support: 8 MB flash memory and 8 MB DRAM</p>

Performing Image-Only Software Loads

If you want to install the IP/IPX Router (AB) or Full Router (OF) software on your OfficeConnect 13x using a TFTP server, follow these steps:

- 1 Install the software on a trivial file transfer protocol (TFTP) server on the LAN.
- 2 Attach a console or Telnet to the bridge/router
- 3 Log in with Network Manager privilege.
- 4 Make a new directory to copy the current boot file and configuration files to. 3Com recommends using /secondar. Use:

```
MakeDir <path/><subdirectory name>
```

- 5 Copy the current boot file and configuration files to the new directory. The boot file resides in the /primary directory by default. Use:

```
Copy <current path/>* <new directory path/>*
```

For example, enter:

```
Copy /primary/* /secondar/*
```

If the configuration files are in a separate directory from the boot file, you do not need to copy the configuration files.



If you do not have enough room on the bridge/router for both the current and new images, copy the current files to the TFTP server.

- 6 Copy the new boot file from the TFTP server over the old boot file using:

```
Copy <IP address of server>:<path/>boot.68k <path/>boot.68k
```

For example:

```
Copy 129.142.10.10:boot.68k /primary/boot.68k
```

- 7 Reboot the system by entering:

```
ReBoot
```

If the reboot is unsuccessful, the bridge/router enters the monitor utility. Boot from the old boot file using:

```
BT /<path/>boot.68k /<config path>
```

For example:

```
BT /secondar/boot.68k /secondar
```

Notes, Cautions, and Known Problems

This section contains important notes, relevant cautions, and descriptions of known problems.

Software Version Compatibility

NETBuilder software version 10.2 is essentially NETBuilder software version 10.1. The version 10.2 software has been optimized for use on the 13x OfficeConnect models. You can not upgrade to 10.2 software on any other OfficeConnect models you may have because 10.2 software is not available for any other models of the OfficeConnect. Software versions 10.1 and 10.2 are compatible and will co-exist on the same network.

In addition to these release notes you should read the *NETBuilder Family Software Version 10.1 Release Notes that can be found on the 3Com Documentation CD-ROM for NETBuilder Software Version 10.1*. The *NETBuilder Family Software Version 10.1 Release Notes* contains important information that also relates to NETBuilder software version 10.2.

DialMode Parameter Default

In the Boundary Router (BX) software package the default value of the DialMode parameter is DTRdial. In the other software packages, IP/IPX router (AB) and Full Router (OF), the DialMode parameter defaults to V25bis.

Supported Modems

Table 1 lists modems supported by 3Com for use with AsyncPPP.

Figure 1 Supported Modems

Modems
Hayes (Accura 33.6)
Motorola (ModemSURFR 33,600)
3Com/USR (Courier, Sportster)
Multitech (MT1932ZDX)
3Com/USR (Impact IQ)