

Ethernet to Token Ring Adaptor: TCP/IP & SPX/IPX

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TECHNICAL: (0118) 965 6000 SALES: (0118) 965 5100 FAX: (0118) 965 5001 ADDRESS: 464 Basingstoke Road, Reading, Berkshire RG2 0QN WEB: www.blackbox.co.uk

How To Contact your Local Black Box

Italy:

Australia:

Black Box Italia S.P.A	Black Box Catalog Australia PTY LTD
Tel: 0227400280 Fax: 0227400219	Tel: 0398797100 Fax: 0398702955
Web Site: www.blackbox.it	
Deutschland:	Brazil:
Black Box Deutschland	Black Box Do Brasil.
Tel: 0811/5541-0	Tel: (011) 5515-4000
Fax: 0811/5541-499	Fax: (011) 5515-4002
Web Site: www.blackbox-deutschland.com	Web Site: www.blackbox.com.br
Switzerland:	Canada:
Datacom Black Box Services AG	Black Box Canada Corp.
Tel: 0554517070	Tel: 0416-736-8000
Fax: 0554517075	Fax: 0416-736-7348
Web Site: www.black-box.ch	Web Site: www.blackbox.com
Netherlands:	Mexico:
Black Box Datacom BV	Black Box De Mexico S.A. de C.V
Tel: 03032417799	Tel: 05-420-0100
Fax: 0302414746	Fax: 05-420-0123
Web Site: www.blackbox.nl/	Web Site: www.blackbox.com.mx
Belgium:	Japan:

Black Box

Tel: 027258550 Fax: 027259212 Web Site: www.blackbox.be **Black Box Catalog**

Tel: 03-3820-5011 Fax: 03-3820-5010 Web Site: www.blackbox.co.jp/



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France:

Black Box Catalogue

Tel: 0145606700 Fax: 0145606747 Web Site: www.blackbox.fr

Spain:

Chile

U.S.A

Black Box Comunicaciones S.A.

Tel: 34 91 663 0200 Fax: 34 91 661 84 35 Web Site: www.blackbox.es **Black Box Chile**

Black Box Corporation

Tel: 724-746-5500

Fax: 724-746-0746

Tel: 00 562 223 8811 Fax: 00 562 225 1002 Web Site: www.Blackbox.cl

Web Site: www.blackbox.com



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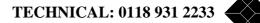
Overview

The Ethernet to Token Ring Adaptor enables a device with an Ethernet output (such as a network ready printer) to be connected to a Token Ring Network.

This product does not require any user set up or configuration procedure. The installation is simple, and when installed the adaptor operates as a bridge. Once the Adaptor is powered, the Adaptor will automatically detect and store the Ethernet device's MAC address in its table and then carrying out standard bridging procedures such as filtering and forwarding.

This version has been designed to be compatible with both TCP/IP and SPX/IPX.

This product is maintenance free and comes in a sealed plastic case that should not be opened.



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General Features and Functions

The construction is on a single PCB mounted in a flame retardant ABS plastic case.

The PCB Number is 1328

All connectors and LED's are mounted directly on to the circuit board.

The circuit board size is approximately 69mm X 159mm

The unit size is approximately 166mm X 77mm with a height of 32mm



Installation

Powering the Adaptor

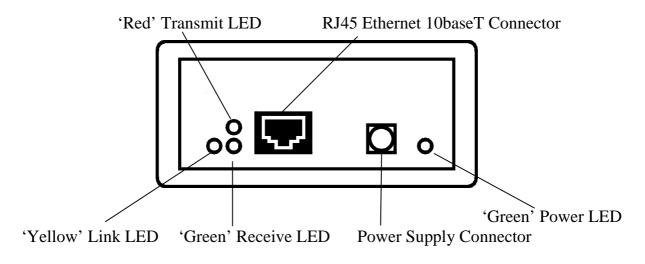
Connect the Power Supply lead/plug to the socket on the Ethernet panel of the Adaptor (as shown in the following diagram). Connect the power cable to the Power Supply Unit and to the electricity supply.

The Power LED lights up and the Adaptor is ready for operation.

Note. If there is a delay in connecting the Adaptor to the Token Ring Network after power up, it may be necessary to restart the Adaptor in order to make the network link good.

External View

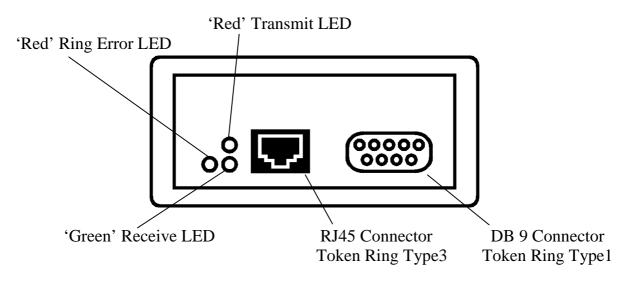
Connectors and LED's on the Ethernet panel.





Ethernet To Token Ring Adaptor

Connectors and LED's on the Token Ring Panel.



Connecting the Adaptor

Ethernet Panel.

Insert the **RJ45 10baseT** cable from the required Ethernet device (for example a Network ready printer) into the Ethernet end of the Adaptor.

The 'Green' Receive LED will blink when the Adaptor receives data from the Ethernet device.

The 'Red' Transmit LED will blink when the Adaptor transmits data to the Ethernet device.

The 'Yellow' Link LED will blink whenever data is passed to and from the Ethernet device and the Adaptor.

Token Ring Panel.

Insert either a Type 3 cable with a RJ45 connector or Type 1 cable with a 9way DB connector from the Token Ring Network (i.e. a Token Ring Hub) into the appropriate connector on the Token Ring panel. The Adaptor will automatically sense which connector and ring speed is in use.

The 'Red' Error LED will light when there is an error on the Token Ring Network.

The 'Green' Receive LED will blink when the Adaptor receives data from the Network.



The 'Red' Transmit LED will blink when the Adaptor transmits data to the Token Ring Network.

The Ethernet to Token Ring Adaptor is now fully operational, and its performance can be monitored by the LED indicators.

Technical Specification

Power Supply (AC Adapter)	Input:	110 ~ 240 VAC, 50/60 Hz, single phase 5 Volta DC _ 050 MA
	Output:	5 Volts DC, 950 MA
Power consumption	2.1 Watts	
Communication speeds	Token Ring Ethernet	4 or 16 MHz Auto sensing 10Mbit's
Connectors	Token Ring Ethernet	Type 3 RJ45 and Type 1 DB 9 RJ45 10baseT
Operating environment	Temperature Relative Hui	:: 10°C to 35°C midity: 15% to 70%



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Symptom	Possible Cause	Action
Power LED does not light.	AC cable not connected to PSU. DC Power cable not attached to Adaptor.	Check connections and secure plugs.
	No cable inserted.	Check connections - Adaptor to Ethernet device and Token Ring network.
Link / Transmit / Receive LED's not blinking.	Devices not powered up	Check attached Ethernet device is powered on.
	Wrong cable types	Verify correct cable types.
	Faulty cable.	Replace cable.
Token Ring LED's don't blink or Error LED is on.	Delay in connecting Network connections after the Adaptor was powered up	Re-start Adaptor.

Troubleshooting

Versions and Download

To perform a Version check or Download a new release of Firmware to the Adaptor it will be necessary to connect the Token Ring side of the Adaptor to an isolated network with one PC attached and set to an IP address of **11.22.33.40**

Version Check.

Open a Telnet session to 11.22.33.44 using port 9100. Information and Firmware version number will be displayed.

Firmware Upgrade.

Should it become necessary to upgrade the Firmware, the Telnet Port 9100 protocol can be used. Please check with Technical support for details.

