Quick install

If you have an existing network connection to the internet via a router then the FireBrick can be simply installed in line with your router for immediate protection.
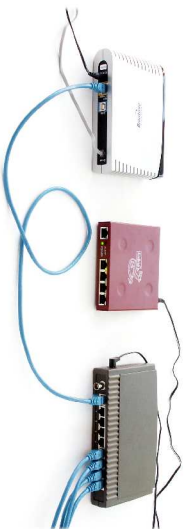
Router   *Switch/hub*

1. Locate internet router

If you have ADSL then this probably connects to a phone line. It will also connect to your network switch or hub.
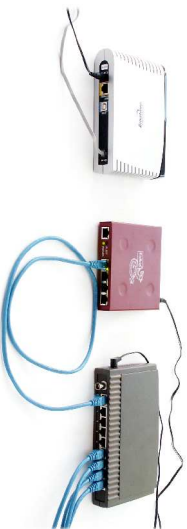
2. Install FireBrick

Place FireBrick close to the router and connect the power. The lights over the LAN ports cycle left and right.
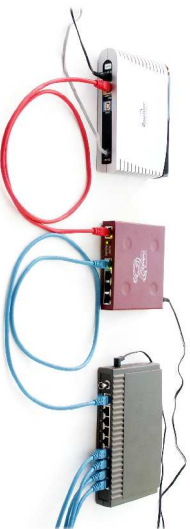
3. Move cable

Move the network cable(s) from the router and connect to the FireBrick LAN side. The green LED will light over each connected port on the FireBrick

4. Connect router

Use the network cable supplied to connect the WAN side of the FireBrick to the internet router. The green LED will light over the WAN port on the FireBrick.

5. Check you still have internet access using one of your PCs

6. Go to web page http://my.FireBrick.co.uk/ to configure

If you want to use a PC stand-alone to set up a FireBrick then connect the PC to the LAN side and configure it with IP 217.169.0.2 netmask 255.255.255.252. Then go to web page http://217.169.0.1/ to access the configuration pages.

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For more information and a full manual see www.FireBrick.co.uk

FireBrick 105
Quick start guide

FireBrick®

1

In the box

The following items are included in the box. Please advise your supplier immediately if any are missing.
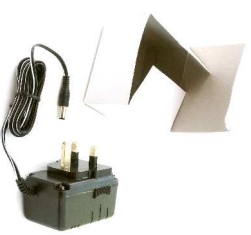
FireBrick 105
Packed in a bubble wrap bag for protection

Power Supply
3.6W, 9V to 24V DC

Network patch lead
Straight network lead, 1m.

Quick start guide
This booklet

Ports and lights

ALERT LED
Blinks on attack

Yellow LEDs
Transmit data

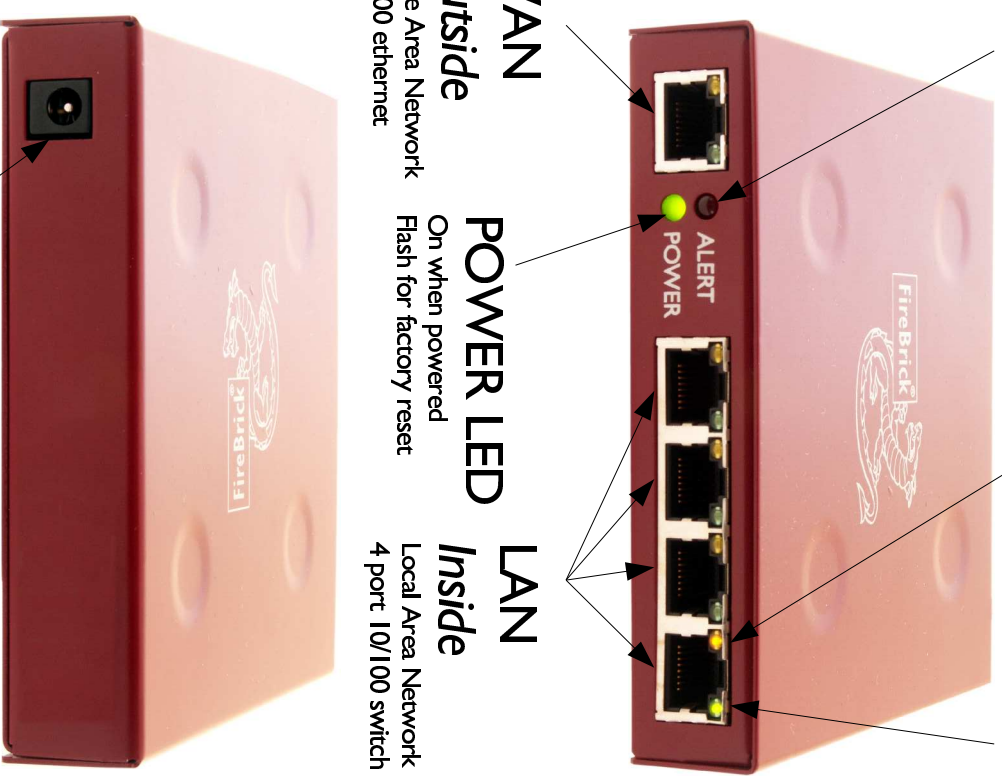### Green LEDs
Link active
Blink on receive

WAN
Outside
Wide Area Network
10/100 ethernet

POWER LED
On when powered
Flash for factory reset

LAN
Inside
Local Area Network
4 port 10/100 switch

Power
3.6W, 9V-24V DC

Default configuration

More information

Web site
http://www.FireBrick.co.uk/

Newsgroup
alt.firebrick

Email
Support@FireBrick.co.uk
Sales@FireBrick.co.uk

Post
The FireBrick 105 is a joint development by Watchfront Ltd and Andrews & Arnold Ltd

Andrews & Arnold Ltd
Enterprise Court
Downmill Road
BRACKNELL
RG12 1QS

Watchfront Ltd
32 Ashbarn Crescent
WINCHESTER
SO22 4QJ

Configuration

The web configuration has the following main icons.
Go to http://my.FireBrick.co.uk/ to access web configuration.
On a new FireBrick you will initially only see Setup and Users icons.

Setup — General setup including port configuration, gateway, bonding, default filters, stealth, config load/save, and features.

Users — Administrative users and security access controls.

Status — General status including port status, session lists, DHCP allocations, logs, and counters.

Profiles — Profiles including manually switched, time switched and ping based switching of FireBrick functions.

Shape — Shaping rules defining what traffic goes in what speed lane.

Speed — Speed lane definitions including master speed lane settings.

Subnets — Subnet definitions including NAT, DHCP client, server and mirror modes, VLAN subnet setup, and stealth control.

Routes — Routing tables including placement of subnet based routes, route weighting and NAT controls.

IP grp — Named IP group configuration allowing multiple IP ranges to be grouped as a single name.

Port grp — Name port/protocol groups allowing complex lists of port ranges and protocols to be grouped as a single name,

Filters — Filters, providing the core firewalling functionality.

Mapping — Address mapping allowing changes to ports and IP addresses of traffic.

Tunnel — Tunnels, allowing virtual private networks (VPNs) to be configured to other FireBricks and compatible equipment.

FireBrick — Quick setup screen with manual switched profile control and quick setup filters.

Icons are shown if the feature is available and the logged in user has appropriate access to see the particular feature. As such not all icons are always displayed.

Factory reset

If you forget the password you have set, or for any other reason, you can factory reset the FireBrick and erase all configuration.

Standard reset

1. Remove all network and power leads

2. Loop far left and far right port

3. Connect power and wait for green LED to start flashing

4. Remove network lead

Special resets

By making a loop to one of the other 4 LAN ports you can make a special factory reset. Follow the above procedure but using a different port as shown below.

The first port sets the WAN as a DHCP client and the LAN as a NAT DHCP server on private addresses. The LAN is also a DHCP client.

The second port is the same as the first port except that the LAN and WAN are then swapped. i.e. Single LAN port on left and 4 port WAN switch on right. Useful with multiple routers.

The third port is the same as a normal standard reset (i.e. No DHCP) but sets the LAN and WAN swapped.

Optional features

The FireBrick has a number of optional extras which can be purchased from your FireBrick supplier. These can be quickly and easily added to your FireBrick.

Extras

The extras pack provides more of everything. It means more filters, tunnels, profiles, subnets, routes, IP and port groups, etc. Useful if you have a large and complex configuration.

Shaping

Traffic shaping allows different traffic to be placed in different speed lanes controlling the rate at which data is transferred.

Profiles

Profiles allow time, manual, and ping monitoring switches which can control other aspects of the FireBrick operation. Ideal for fallback internet routes and monitoring links and servers.

Tunnels

Tunnelling allows authenticated virtual private networks (VPNs) to be set up to other FireBricks and compatible hardware.

Monitor

Monitoring provides a range of management monitoring and information including emailed logs, syslog logging and SNMP.

Bonding

Bonding provides facilities for weighted routing rules and multiple gateway load sharing. Ideal if you have multiple internet feeds which can be load shared.

5Port

The 5Port option makes the 5 ports of the FireBrick completely separate providing WAN, LAN and 3 distinct DMZs. Ideal for serviced offices or complex networks.

VLAN

The VLAN subnet option allows the FireBrick to be used with a VLAN switch to allow different groups of ports to be treated differently for DHCP and routing. Ideal for serviced offices and hosting facilities.