



Firebox[®] T55, T55-W

Hardware Guide

Firebox[®] T55, T55-W

MS5AE5, MS5AE5W

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Guide revised: 7/16/2019

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WatchGuard® Technologies, Inc. is a global leader in network security, providing best-in-class Unified Threat Management, Next Generation Firewall, secure Wi-Fi, and network intelligence products and services to more than 75,000 customers worldwide. The company's mission is to make enterprise-grade security accessible to companies of all types and sizes through simplicity, making WatchGuard an ideal solution for Distributed Enterprises and SMBs. WatchGuard is headquartered in Seattle, Washington, with offices throughout North America, Europe, Asia Pacific, and Latin America. To learn more, visit WatchGuard.com.

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Address

505 Fifth Avenue South
Suite 500
Seattle, WA 98104

Support

www.watchguard.com/support
U.S. and Canada +877.232.3531
All Other Countries +1.206.521.3575

Sales

U.S. and Canada +1.800.734.9905
All Other Countries +1.206.613.0895

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WatchGuard Firebox T55/T55-W Hardware Guide

WatchGuard® Firebox security appliances deliver unparalleled unified threat management, superior performance, ease of use, and value for your small organization or branch office. Our security subscriptions give you fully integrated protection from spyware, spam, viruses, worms, trojans, web-based exploits, and blended threats. From firewall and VPN protection to secure remote access, WatchGuard Firebox appliances support a broad range of network environments.

This guide introduces the Firebox T55/T55-W RoHS-compliant (lead-free) hardware products. The Firebox T55/T55-W network security appliance is designed for small organizations and branch offices.

Fireware OS

The Firebox T55/T55-W supports WatchGuard's next generation UTM OS—Fireware® OS. Each Firebox appliance includes Fireware OS and delivers exceptional protection against today's sophisticated threats to make sure that your business stays connected. For more information on the features of Fireware OS, see [Explore Fireware Help](#).

About Your Hardware

Hardware Specifications

Processor	Intel N3060
Memory	2 GB
Storage	16 GB mSATA
Power Supply	Input Ratings: 100-240VAC, MAX 1.8A@100VAC, 60-50Hz Output Ratings : 54V, Max 64.8W
Dimensions	D = 205.5 mm (8") W = 217 mm (8.5") H = 48 mm (1.8")
Weight	T55: 0.88 kg (1.94 lbs) T55-W: 0.9 kg (1.98 lbs)

Interface Specifications

Network Interfaces	5 1000Base-TX, RJ45 Interface 4 supports PoE+ (Power over Ethernet), compliant with the IEEE 802.3at standard
Radio Type and Frequency Band (T55-W)	A single 3x3:3 radio that can operate on one of these bands: <ul style="list-style-type: none">• 2.4 GHz 802.11 b/g/n• 5 GHz 802.11 a/n/ac
I/O Interfaces	2 USB 2.0 1 RJ45 Serial Port

Environmental Requirements

To safely install your Firebox, we recommend that you:

- Install it in indoors
- Put it in a secure area, such as a locked room, to block the device from people who do not have permission to use it
- Connect it to a conditioned power supply to prevent damage from sudden power changes

Other environmental requirements:

- Operating temperature: 0° to 40°C (32° to 104°F)
- Operating humidity: 5% to 90% non-condensing
- Non-operating temperature: -40° to 70°C (-40° to 158°F)
- Non-operating humidity: 5% to 90%, non-condensing

Hardware Description

Front

Front view of the Firebox:



Fail Over

The Fail Over indicator is lit when there is a WAN failover from the primary external interface to the backup interface. After the external interface connection fails back to the primary external interface, the indicator is not lit.

WAP

On the Firebox T55-W models, the WAP indicator is lit when the appliance is activated as a wireless access point or a wireless client. The color indicates the active wireless radio band.

Indicator	Indicator Color	Wireless Band
WAP	Yellow	2.4 GHz radio band
	Blinks (speed of blink increases as the data flow increases)	Data sent and received
	Green	5 GHz radio band
	Blinks (speed of blink increases as the data flow increases)	Data sent and received

Network Interface Status Indicators

The Firebox T55 has five network interfaces. There are two status indicators for each interface.

Indicator	Indicator Color	Interface Status
1000	Yellow	Link speed: 1000 Mbps
	Blinks (speed of blink increases as the data flow increases)	Data sent and received
10/100	Green	Link speed: 10 Mbps or 100 Mbps
	Blinks (speed of blink increases as the data flow increases)	Data sent and received

Status

The Status indicator is lit when there is a management connection to the device. The Status indicator is lit for 30 seconds after you connect to the device with the Fireware Web UI or the command line interface. It is also lit when the device is polled by WatchGuard System Manager.

Mode

The Mode indicator shows the status of the external network connection. If the device can connect to the external network and send traffic, the indicator is green. The indicator flashes if the device cannot send traffic to the external network.

Attn

The Attn indicator is yellow when you start the device with the Reset button pressed. For more information, see [Restore Factory Default Settings](#).

Power (⏻)

The Power indicator is lit to indicate power status. It is green when the Firebox is powered on.

Rear

Rear view of the Firebox:



Serial Port (Console)

The leftmost port is an RJ45 serial console port. An RJ45 serial cable is not included with the device.

USB Interfaces

The device includes two USB interfaces. Connect a USB storage device for USB backup and restore, or to store a support snapshot. For more information, see [Explore Fireware Help](#).

Network Interfaces

The Ethernet interfaces have standard RJ45 connectors and support link speeds of 10, 100, or 1000 Mbps.

The Firebox T55/T55-W has five network interfaces. These interfaces are labeled 0/WAN, 1/LAN, 2, 3, 4-PoE. Interface 4 is a PoE+ (Power over Ethernet) interface, compliant with the IEEE 802.3at standard.

Reset Button

This resets the device. To restore the device to factory default settings, see [Restore Factory Default Settings](#).

Power Switch

Controls the power supplied to the device. Move the switch to position 1 to power on the device, or position 0 to power it off.

Power Input

An AC power adapter is included with your device. Connect the AC adapter to the device and to a power source. The power supply tip is plus (+) polarity. Use only the supplied AC power adapter.

AC Power Adapter

The AC power adapter supplies power for the Firebox.



A retention mechanism prevents accidental disconnection of the power cord. Before you unplug the power adapter, disengage the retention mechanism to avoid damaging the cord. Always pull from the connector and not the cord.

There are two types of AC power adapters for the Firebox T55/T55-W. You will receive either the rectangular adapter or the round adapter with your Firebox. Both types of adapters have a positive retention system to prevent accidental disconnection. To safely disconnect the cord:

- For the round adapter, slide the black plastic external housing away from the Firebox to expose the internal silver metal connector. With the internal silver connector exposed, continue to pull to disconnect the cord. The power cord and the power plug on the Firebox are color coded. Verify that the color band on the cord matches the color ring around the power plug on the Firebox before you connect the adapter.



- For the rectangular adapter, press the button on top of the connector to release the connector and pull from the base of the connector. Pulling from the cord could damage the adapter.

A Firebox shipped outside the U.S. includes four power cables to connect to the AC power adapter. Use the correct power cable for the power source used in your country.



Do not connect this power adapter to any other WatchGuard product.

Wall Mounting Plate

The wall mounting plate (available separately) enables you to mount the Firebox on a wall in a good location to increase the wireless range.

To install the wall mounting plate:

1. Place the wall mounting plate horizontally against the wall where you want to install the Firebox.
2. Securely screw the wall mounting plate to the wall with four screws 1/8" (3 mm) wide and at least 3/4" (18 mm) long.
3. Align the two holes on the bottom of the Firebox with the two connection points on the mounting plate.
4. Push the Firebox toward the mounting plate, until the two connection points on the mounting plate are inside the holes on the bottom of the Firebox. Then press firmly down to seat the device on the plate.

To remove the Firebox from the mounting plate, push the Firebox up slightly, and then pull out, to separate the connection points on the mounting plate from the holes on the bottom of the Firebox.

Restore Factory Default Settings

If you have a problem in your configuration file that you cannot correct, you can restore the factory default settings and start from a new configuration file. For example, if you do not know the administrator account passphrase, or if a power interruption causes damage to the Fireware OS, you can restore the Firebox to the factory default settings and build your configuration again.

To reset the Firebox to factory default settings:

1. Power off the Firebox.
2. Press and hold the **Reset** button on the back of the Firebox.
3. Power on the Firebox while you continue to hold the **Reset** button.
4. Continue to hold the **Reset** button until the **Attn** indicator on the front of the Firebox begins to flash.
5. Release the **Reset** button.
6. Wait until the **Attn** indicator stays lit and does not flash. This can take 75 seconds or more.



You must start the device again before you can connect to it. If you do not, when you try to connect to the device, a web page appears with the message, "Your device is running from a backup copy of firmware." This message also appears if the **Reset** button is stuck in the depressed position. If you continue to see this message, check the **Reset** button and start the device again.

7. Power off the Firebox.
8. Power on the Firebox.
The Firebox restarts with factory-default settings.