



# Configuring

## Web-based Manager

Use the following procedure to connect to the web-based manager for the first time. Configuration changes made with the web-based manager are effective immediately without resetting the FortiBridge unit or interrupting service.

### To connect to the web-based manager

1. Connect the management port of the FortiBridge unit to Ethernet port of the management computer.  
Use a cross-over Ethernet cable to connect the devices directly. Use straight-through Ethernet cables to connect the devices through a hub or switch.
2. Configure the management computer to be on the same subnet as the FortiBridge management port interface.  
To do this, change the IP address of the management computer to 192.168.1.2 and the netmask to 255.255.255.0.
3. To access the FortiBridge web-based manager, in your browser, go to <http://192.168.1.99>.
4. Type `admin` in the Name field and click Login.

### To configure Probes

Probes monitor the FortiGate unit by sending packets from the INT 2 interface through the FortiGate unit to the EXT 2 interface. If probe packets are not received at the EXT 2 interface the FortiBridge unit detects a failure.

Configure probe settings to set actions on failure, add a dynamic IP pattern used by the probe packets, and enter the serial number of the FortiGate unit. Actions on failure can include failing open and sending an alert email, a syslog message, and an SNMP trap.

1. Go to **Probe > Settings**.
2. Enter the Probe IP address pattern (`##.#.*`).
3. Enable ping, HTTP, FTP, POP3, SMTP, and/or IMAP probes.
4. Set the Port Number for each protocol.
5. Change the Failure Threshold and probe Interval for each probe.

### To set up Notifications

1. Go to **Probe > Notifications**.
2. Enter a Notification Message Tag.
3. Optionally, select the Syslog check box and enter the IP address, port and facility of the Syslog server that receives FortiBridge syslog messages.
4. Optionally, select the Email check box and enter the SMTP server, email addresses, SMTP user name, and password of the users to send the alert email.
5. Optionally, select the SNMP check box and enter the name, hosts, and traps of the SNMP manager to send alerts to a community.

### To configure the Management, Default Gateway, and Primary and Secondary DNS server IP addresses

1. Go to **System > Status > Management Port** area and click Change.

## Command Line Interface

### To connect to the FortiBridge unit

1. Use a RJ-45 to DB-9 cable to connect the FortiBridge management port to the management computer serial port.

2. Start a terminal emulation program (such as HyperTerminal) on the management computer. Use these settings: Baud Rate 9600, Data bits 8, Parity None, Stop bits 1, Flow Control None.
3. At the login: prompt, type `admin` and press Enter twice.  
(The login prompt is preceded by the server default host name.)

### To configure the FortiBridge unit using the CLI

1. Change the management IP address.  

```
config system manageip
    set ip <intf_ip>/<netmask_ip>
end
```
2. Configure the primary and secondary DNS server IP addresses.  

```
config system dns
    set primary <dns-server_ip>
    set secondary <dns-server_ip>
end
```
3. Configure the default gateway.  

```
config system route
    edit 1
        set gateway <gateway_ip>
    end
```
4. Change the administrator password.  

```
config system admin
    edit admin
        set password <password>
    end
```

### Shutting down the FortiBridge unit

When powering off the FortiBridge unit, always shut down the unit using the following procedures before disconnecting the power supply. Not following this procedure can increase the risk of damaging the FortiBridge flash disk.

### To power off the FortiBridge unit

1. Go to **System > Status**.
2. In the Unit Operation area, click Shut Down.
3. Once the indicates the shut down procedure has completed, disconnect the FortiBridge unit from the power source.

# FortiBridge-2002F



AC Power	50 W, 100 - 240 VAC, 50 - 60Hz
Chassis	1U
Dimensions	44.0 cm x 30.1 cm x 4.44 cm
Network Interfaces	4 1GB LC SFP (SX) Ingress/Egress ports 4 1GB SFP (SX) Ingress/Egress ports 2 10/100/1000 Management ports 2 USB connections 2 Console ports 2 Modem connections

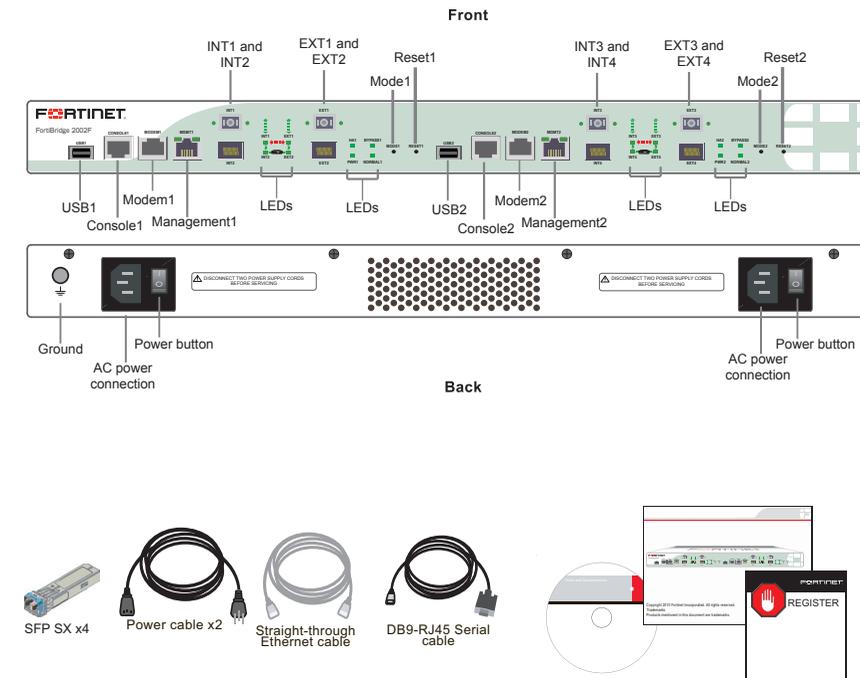
# FORTINET®

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 Regulatory Compliance  
 FCC Class A Part 15, UL/CB/CUL, C Tick, VCCI  
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# Package Contents



# LED Description

LED	State	Description
Power	Green	The unit is powered on.
	Off	The unit is powered off.
Normal	Green	The unit is being used in Normal mode.
	Off	The unit is in stand-alone mode.
HA	Green	The unit is being used in a HA cluster.
	Off	The unit is in stand-alone mode.
Bypass	Green	Bypass network activity at this interface.
	Off	Normal status.
INT and EXT LEDs	Green	The correct cable is in use and the connected equipment has power.
	Green flashing	Network data is being sent or received.
	Off	No link established or the interface has been turned off.
MGMT1 and MGMT2 Ports	Link/Activity (left) Green	Port has power and network connection.
	Link/Activity (left) Green flashing	Network data is being sent or received.
	Speed (right) indicator is Green	Connected at 1000 Mbps.
	Speed (right) indicator is Amber	The interface is connected at 100 Mbps.
	Speed (right) indicator is Off	The interface is connected at 10 Mbps.

# Interface Description

Interface	Type	Speed	Protocol	Description
Console1 and Console2	RJ-45	9600 bps 8/N/1	RS-232 serial	Connection to the management computer. Provides access to the command line interface (CLI).
Modem1 and Modem2	RJ-11			Phone line for internal modem.
USB1 and USB2	USB		USB	Two optional connections to a USB key for installation.
MGMT1 and MGMT2	RJ-45	10/100/1000 Base-T	Ethernet	Two management ports.
INT1, INT3, EXT1, and EXT3	LC SFP	1000Base-SX	Ethernet	Fiber optic connections to gigabit optical networks.
INT2, INT4, EXT2, and EXT4	SFP	1GB-SX	Ethernet	Small form-factor pluggable transceiver.

# Factory Defaults

Administrator user name	admin
Administrator password	(none)
<b>NAT/Route mode</b>	
Management1	192.168.1.99
Management2	0.0.0.0

To reset the unit to the factory defaults, in the CLI type the command:  
`execute factory reset`

# Connecting

Connect the FortiBridge unit to the internal and external networks and the FortiGate unit. Normally, you would use straight-through ethernet cables to connect the FortiBridge unit. However, for some connections you may need a crossover ethernet cable (for example, for compatibility with network devices that do not support Auto MDI/MDIX).

- Connect the FortiBridge INT 2 interface to the FortiGate unit internal interface.
- Connect the FortiBridge EXT 2 interface to the FortiGate unit external interface.
- Connect the FortiBridge INT 1 interface to the internal network.
- Connect the FortiBridge EXT 1 interface to the external network.
- Turn on the FortiGate unit and any network equipment that was turned off.
- Connect the power cords at the back of the FortiBridge unit. Plug the other end of the power cables into a grounded electrical outlet.
- The PWR and Bypass Mode LEDs turn on. After a short time, the FortiBridge unit switches to Normal mode. The Bypass LED turns off and the Normal LED turns on.