

Comtrend WR-6895 Router Topics

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Configuring Pinholes/Port Forwarding

- 1) From a web browser, go to "http://192.168.1.1". Login with the username "admin" and the password "admin".
If you get an incorrect login error, please try username "admin" and the password "seiadmin".
- 2) Click the "Basic Setup" link on the top menu bar.

The screenshot shows the Comtrend WR-6895 router web interface. The browser address bar shows "192.168.1.1". The top navigation bar includes links for Device Info, Basic Setup, Advanced Setup, Diagnostics, Management, and Logout. The left sidebar contains a menu with options: Summary, WAN, Statistics, Route, ARP, DHCP, NAT Session, IGMP Info, IPv6, CPU & Memory, Network Map, and Wireless. The main content area is divided into three sections: Device, LAN, and WAN.


Device

Model	WR-6895
Board ID	63139P-1851AC
Serial Number	1915895UAXF-AA007702
Firmware Version	RM51-416SEI-C03_R03
Bootloader (CFE) Version	1.0.38-116.228-5
Up Time	9 mins:2 secs
Date/Time	Thu Jan 1 00:09:02 1970

LAN

LAN IPv4 Address	192.168.1.1
LAN Subnet Mask	255.255.255.0
LAN MAC Address	c8:d1:2a:8e:71:68
DHCP Server	Enabled

Wireless

2.4GHz Interface	
Driver Version	7.14.124.47;cpe4.16L04.0-kdb
Primary SSID	Comtrend7168_2.4GHz
Status	Disabled
Channel	1
	Secure

WAN

WAN Interface	SEI-FTHH
Link Type	Ethernet
Link Status	Up

- 3) Click on the "NAT" link on the left.

The screenshot shows the Comtrend Broadband Router configuration interface. The top navigation bar includes: Device Info, Basic Setup (selected), Advanced Setup, Diagnostics, Management, and Logout. The left sidebar shows: WAN Setup, NAT (selected), LAN, and Wireless. The main content area is divided into three sections:

- LAN:** Shows four Ethernet ports (ETH1, ETH2, ETH3, ETH4). A table below lists:

LAN IPv4 Address	192.168.1.1
LAN Subnet Mask	255.255.255.0
LAN MAC Address	c8:d1:2a:8e:71:68
DHCP Server	Enabled
- Wireless:** Shows a 2.4GHz Interface table:

Driver Version	7.14.124.47.cpe4.16L04.0-kdb
Primary SSID	Comtrend7168_2.4GHz
Status	Disabled
Channel	1
- WAN:** Shows the WAN Interface (SEI-FTTH) is connected. A table below lists:

WAN Interface	SEI-FTTH
Link Type	Ethernet
Link Status	Up
Connection Type	PPPoE
WAN IP Address	206.162.220.175
PPP Username	ftth-default
Default Gateway	
Primary DNS Server	206.162.192.2
Secondary DNS Server	206.162.317.2

4) Click on the "Add" button.

The screenshot shows the NAT - Virtual Servers Setup page. The top navigation bar and left sidebar are the same as in the previous screenshot. The main content area shows:

NAT - Virtual Servers Setup

Virtual Server allows you to direct incoming traffic from WAN side (identified by Protocol and External port) to the Internal server with private IP address on the LAN side. The Internal port is required only if the external port needs to be converted to a different port number used by the server on the LAN side. A maximum 32 entries can be configured.

Buttons: **Add** (highlighted in yellow), Remove

Server Name	External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End	Server IP Address	WAN Interface	NAT Loopback	Remove

5) Check if the setup you need is in the pre-configured list under "Select a Service".

NAT - Virtual Servers

Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server.
 NOTE: The "Internal Port End" cannot be modified directly. Normally, it is set to the same value as "External Port End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start".
 Remaining number of entries that can be configured:32

Choose All Interface
 Choose One Interface

Use Interface: SEI-FTTH/ppp0.1

Service Name: Select One

Select a Service:
 Custom Service:

Server IP Address: 192.168.1.

Enable NAT Loopback

Apply/Save

External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End
		TCP		
		TCP		
		TCP		
		TCP		

6) If not, create your own. As an example, here we are adding a Test service that will forward traffic going from the internet to the router on ports 2020-2050 to a device on the network with the IP address of 192.168.1.23 on port 22. Once you have added your desired port forwards, click "Apply/Save" at the bottom of the page.

NAT - Virtual Servers

Select the service name, and enter the server IP address and click "Apply/Save" to forward IP packets for this service to the specified server.
 NOTE: The "Internal Port End" cannot be modified directly. Normally, it is set to the same value as "External Port End". However, if you modify "Internal Port Start", then "Internal Port End" will be set to the same value as "Internal Port Start".
 Remaining number of entries that can be configured:32

Choose All Interface
 Choose One Interface

Use Interface: SEI-FTTH/ppp0.1

Service Name: Select One

Select a Service:
 Custom Service: Test

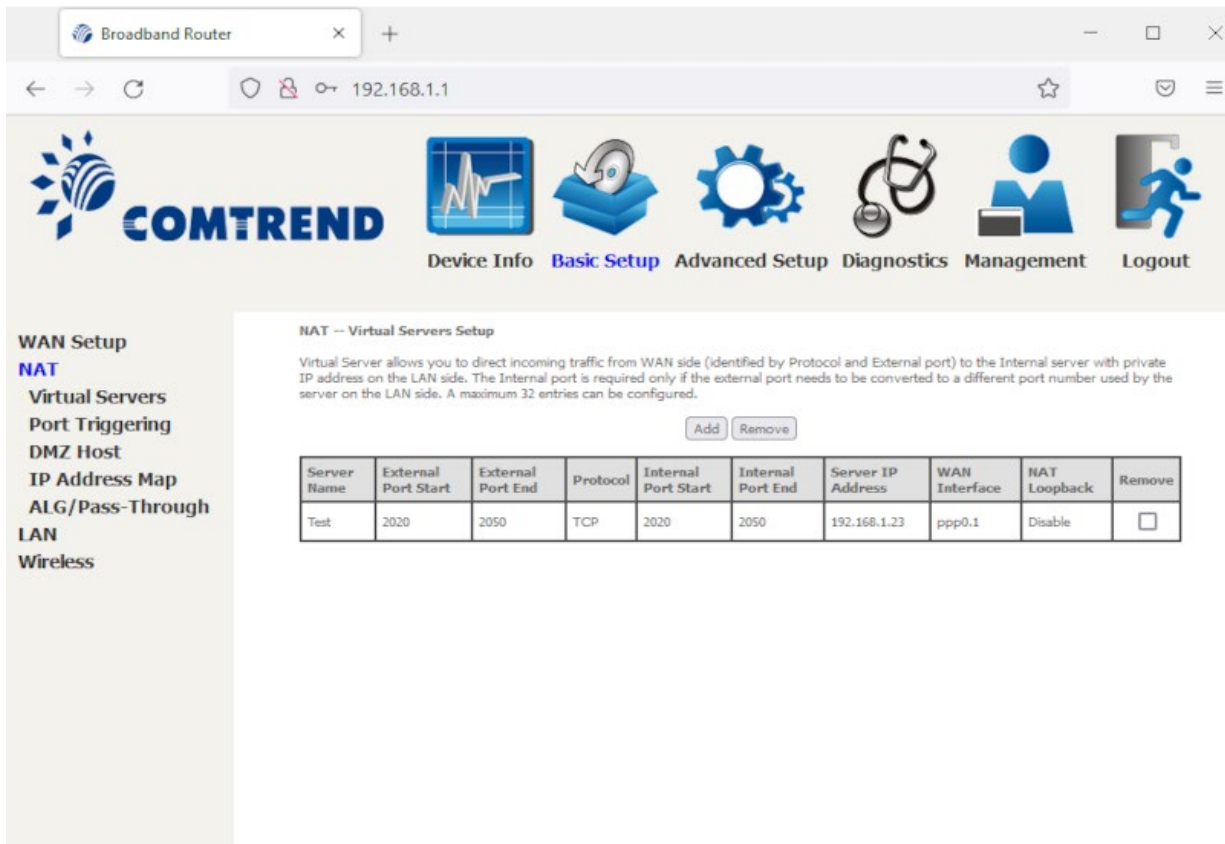
Server IP Address: 192.168.1.23

Enable NAT Loopback

Apply/Save

External Port Start	External Port End	Protocol	Internal Port Start	Internal Port End
2020	2050	TCP	2020	2050
		TCP		
		TCP		
		TCP		

7) You are now done.



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Configuring WIFI/Wireless

You have your choice of one of two ways to enable the wireless access point in your SEI provided Comtrend WR-6895:

- A) Easy way by pressing a button and using preset defaults.
- B) Personalized approach (you can set your own SSID & security).

Easy setup:

1) On the front of your router, there are two small round buttons labeled 2.4GHz WIFI ON/OFF & WPS and 5GHz WIFI ON/OFF & WPS. Press and hold the 2.4GHz button for approximately 20 seconds and release. Within a few seconds, the 2.4GHz WIFI LED will turn on. Repeat the same process for the 5GHz WIFI if needed.

2) On your WIFI capable devices, you will then connect to the SSID "ComtrendXXXX_2.4GHz" or "ComtrendXXXX_5GHz" where XXXX are the last 4 characters (in capital letters) of your modem's MAC address. There is a sticker on the bottom of your modem with this MAC address.

3) Security is enabled by default using WPA2. The WPA2 encryption key/passphrase is located on the bottom of the router under WIFI Key. Please note that the WIFI Key is case sensitive.

Personalized setup:

- 1) From a web browser, go to "http://192.168.1.1". Login with the username "admin" and the password "admin".
- 2) Click the Basic Setup link on the top menu bar.

The screenshot shows the Comtrend Broadband Router web interface. The top navigation bar includes links for Device Info, Basic Setup, Advanced Setup, Diagnostics, Management, and Logout. The main content area is divided into three sections: LAN, WAN, and Wireless.

LAN Configuration:

LAN IPv4 Address	192.168.1.1
LAN Subnet Mask	255.255.255.0
LAN MAC Address	c8:d1:2a:8e:71:68
DHCP Server	Enabled

Wireless Configuration (2.4GHz Interface):

Driver Version	7.14.124.47.cpe4.16L04.0-kdb
Primary SSID	Comtrend7168_2.4GHz
Status	Disabled
Channel	1
Security	Secure

WAN Configuration:

WAN Interface	SEI-FTTH
Link Type	Ethernet
Link Status	Up
Connection Type	PPPoE
WAN IP Address	206.162.220.175
PPP Username	ftth-default
Default Gateway	
Primary DNS Server	206.162.192.2
Secondary DNS Server	206.162.217.2

3) Click on "Wireless" on the left side. Check mark "Enable Wireless", and change the "SSID" if you wish, then click "Apply/Save". (By default, wireless is disabled but the SSID is ComtrendXXXX_2.4GHz, where XXXX are replaced with the last 4 characters of your routers MAC address).

The screenshot shows the Comtrend Broadband Router web interface, specifically the "Wireless -- Basic" configuration page. The left sidebar shows the navigation menu with "Wireless" selected. The main content area displays the configuration options for the wireless LAN interface.

Wireless -- Basic Configuration:

- Enable Wireless
- Hide Access Point
- Clients Isolation
- Disable WMM Advertise
- Enable Wireless Multicast Forwarding (WMMF)
- Enable WiFi Button

SSID:

BSSID:

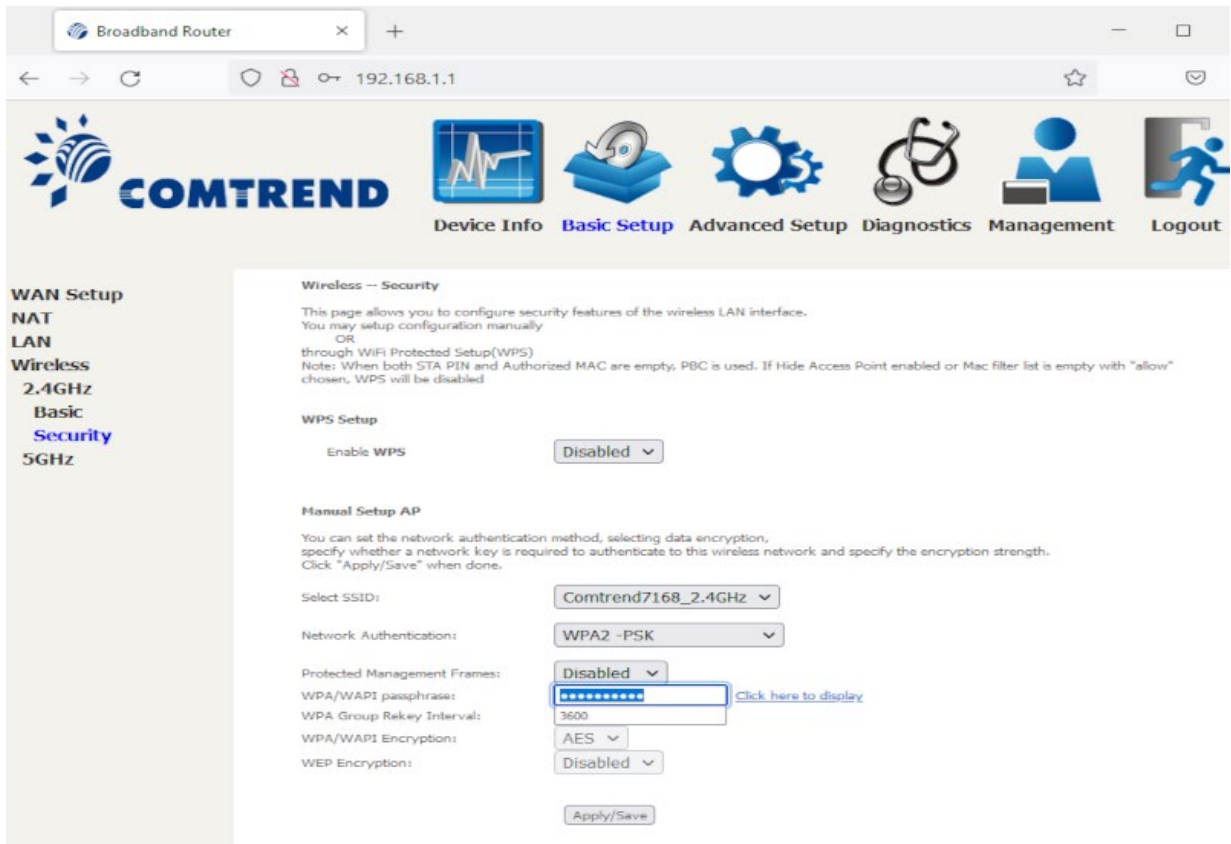
Country:

Country RegRev:

Max:

4) Click on 2.4GHz and then the "Security" links on the left. You can change your encryption passphrase/key here, or you can view the current one as well. If you change it, be sure to click the "Apply/Save" button. The default

passphrase/key is on the sticker located on the bottom of the router labeled WIFI Key. Please note that this key is case sensitive.



5) Click on the "Apply/Save" button. 2.4GHz wireless access is now enabled.

6) To enable 5GHz WIFI, click the 5GHz link on the left and select "Enable Wireless" and then "Apply/Save" at the bottom of the page. The default SSID is ComtrendXXXX_5GHz (where XXXX is the last 4 digits of the router's MAC, located on the bottom of the router).

COMTREND Device Info Basic Setup Advanced Setup Diagnostics Management Logout

WAN Setup
NAT
LAN
Wireless
 2.4GHz
 5GHz
 Basic
 Security

Wireless -- Basic

This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name (also known as SSID) and restrict the channel set based on country requirements. Click "Apply/Save" to configure the basic wireless options.

Version: A.3671361.CTU.C03

Enable Wireless
 Hide Access Point
 Enable WiFi Button

SSID: Comtrend7168_5GHz
 BSSID: 00:00:00:00:00:00
 Channel: Auto Current Channel: 48

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	BSSID
<input type="checkbox"/>	Guest1	<input type="checkbox"/>	
<input type="checkbox"/>	Guest2	<input type="checkbox"/>	
<input type="checkbox"/>	Guest3	<input type="checkbox"/>	

Apply/Save

7) Click on 5GHz and then the "Security" links on the left. You can change your encryption passphrase/key here, or you can view the current one as well. If you change it, be sure to click the "Apply/Save" button. The default passphrase/key is on the sticker located on the bottom of the router labeled WIFI Key. Please note that this key is case sensitive.

COMTREND Device Info Basic Setup Advanced Setup Diagnostics Management Logout

WAN Setup
NAT
LAN
Wireless
 2.4GHz
 5GHz
 Basic
 Security

Wireless -- WPS Setup

This page allows you to configure WPS features of the wireless LAN interface.

Enable WPS: Enabled
 Set WPS AP Mode: Configured

Add Client
 Push-Button: Add Enrollee PBC
 Enter STA PIN: Add Enrollee PIN

Setup AP (Configure all security settings with an external registrar)

Device PIN: 05157006 Help

Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.

Select SSID: Comtrend7168_5GHz
 Encryption: WPA2-AES
 Passphrase: [REDACTED] Click here to display

Apply/Save

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