

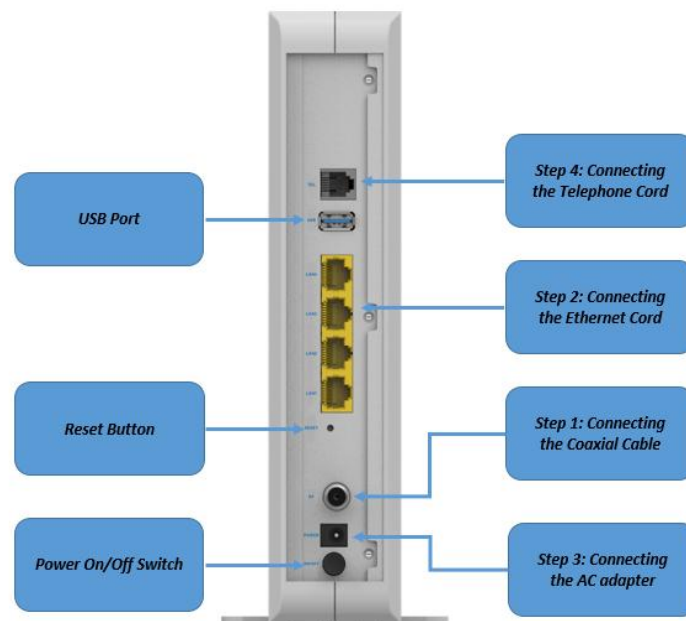
CBV384Z4 DOCSIS 3.0 Cable Modem Quick Installation Guide

Package Contents

- 1 * Cable Modem
- 1 * AC Power Adapter (12V/3A)
- 1 * Quick Installation Guide
- 1 * 1M Ethernet (RJ-45) cable

Rear Panel and Hardware Connection

The following describes the proper steps for connecting your cable modem. Please be sure to follow the steps in the sequence outlined below. Failure to do so could result in improper operation or failure of your cable modem.



Step 1: Connect a cable by feeding the F-connector on the back of the cable modem. Ensure the center conductor of the 75 ohm coaxial cable is inserted directly into the center of the F-connector. Secure the coaxial cable by carefully threading the outer shell of the coaxial cable connector onto the F-connector in a clockwise direction until tight. Be careful not to over-tighten the connector or you may damage either the connector or the cable modem.

Step2: Connect the cable modem to a GbE Ethernet 10/100/1000 Mbps Network using a RJ-45 male-terminated Ethernet cable. This cable modem equips with four Ethernet ports, you can connect four PCs to the cable modem at the same time if necessary.

Step 3: Connect the AC Adapter to the cable modem by inserting the barrel- shaped connector into the mating power connector on the back of the cable modem. Exercise carefully to ensure the connectors are properly aligned prior to insertion and ensure the two connectors engage completely. The cable modem is shipped with an AC adapter. Remember to use only power adapter that came with the cable modem. Other power adapters might have voltages that are not correct for your particular cable modem. Using a power adapter with the wrong voltage can damage the cable modem.

Step 4: Connect the telephone sets to TEL. Use RJ-11 telephone line to connect TEL port on the cable modem and telephone socket on telephone.

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Front Panel & LEDs

There are 8 Light-Emitting-Diodes (LEDs) located on the front panel to indicate the status information of cable modem.



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LED	Color	Location	Behavior	Status
		GPIO		
PWR	Green	D511 HW Control	On	DC power connected
			Off	No DC power connected
DS	Green	D503 LED_00	Blinking	Downstream scanning
			Off	Cable interface idle
	BLUE	D504 LED_01	On	Downstream locked and W/DS bonding
US	Green	D505 LED_02	Blinking	Upstream ranging
			Off	Cable interface idle
	BLUE	D506 LED_03	On	Upstream locked and W/US bonding
ONLINE	Green	D510 GPIO_16	Blinking	CM provisioning
			On	CM on-line
			Off	CM off-line
LAN	Green	D509 LED_04	On	ETH device connected
			Blinking	Data in traffic
			Off	No ETH device connected
2.4 GHz	Green	D402 GPIO_10 (BCM4360)	On	Wi-Fi enabled
			Blinking 0.5 second ON, 0.5 second OFF (Blinking FAST)	Data in traffic
			Blinking 0.5 second ON, 1.5 second OFF (Blinking SLOW)	WPS is working
			Off	Wi-Fi disabled
5 GHz	Green	D403 GPIO_9 (BCM4366)	On	Wi-Fi enabled
			Blinking 0.5 second ON, 0.5 second OFF (Blinking FAST)	Data in traffic
			Blinking 0.5 second ON, 1.5 second OFF (Blinking SLOW)	WPS is working
			Off	Wi-Fi disabled
TEL	Green	D404 GPIO_06	Blinking	TEL provisioning or off-hook
			On	TEL on-hook
			Off	TEL disabled

This document is subject to change without notice

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Accessing the Web Management

For easy-changing the default settings, a Web-based GUI is built-in for your access.

Use the following procedures to login to your CBV384Z4.

1. Open your web browser.
2. Type the default IP address of the CBV384Z4 (http://**192.168.1.1**) and press Enter
3. The Log In page appears. Type the user name and password in the respective fields.

User name: admin

Password: each unit has its own password, please refer to the housing label

Configuring Your WAN Connection

The DHCP page allows you to activate/deactivate the DHCP server function of the CBV384Z4, and, if the DHCP server is activated, to see DHCP leases it has provided.

The screenshot displays the web management interface for the CBV384Z4 cable modem. At the top, there is a navigation bar with tabs for Status, Basic (highlighted in yellow), Advanced, Firewall, VPN, and Wireless. On the left side, there is a vertical menu with buttons for Setup, DHCP (highlighted in yellow), DDNS, and Backup. The main content area is titled 'Basic' and 'DHCP'. It contains the following information:

- DHCP Server: Yes No
- Starting Local Address:
- Number of CPEs:
- Lease Time:
- Apply button
- DHCP Clients table:





MAC Address	IP Address	Sub netMask	Duration	Expires	Select
ec8eb5467535	192.168.000.012	255.255.255.000	D:00 H:01 M:00 S:00	-----:-----:-----	<input type="radio"/>

Current System Time: -----:-----:-----
Force Available button

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Check your CBV384Z4 Access Information

There are 2 labels pasted to the bottom of CBV384Z4 case. In those labels, you can obtain following information. Please note that the following labels are just examples, each CBV384Z4 has their own label and setting value. Please follow your label information to access and configure CBV384Z4. In normal case, you don't need to change anything, all setting have been set and work properly.

		http://192.168.1.1 login: admin password: #4AFC59@E90963*	
PROVEEDOR:CastleNet Technology Inc. COD. PROVEEDOR:3000166451 CBV384Z4 HECHO EN TAILANDIA	CM HFC MAC 10406110285 CABLEMODEM DUAL BAND 4 PORTS	 FC4AE9596377 	

EMTA MAC FC4AE959630A		WLAN MAC FC4AE959630D		WiFi 
WAN MAC FC4AE959630B		SSID : MOVISTAR_6309 WPA-PSK passphrase	 353936333039Gi4ZdBc1	

Wi-Fi SSID: This is for your CBV384Z4 wireless setting use, this setting has already been set to your CBV384Z4.

Password: This is the default password for your wireless client when connecting to CBV384Z4. You will be asked to key in this password so as to connect via wireless connection.

Web Management: This is the URL when you like to access to CBV384Z4. You can simply type http://192.168.1.1 in Microsoft Internet Explorer or any other internet browser to access CBV384Z4 web management page.

user name: This is the value when accessing CBV384Z4 web management page. You will be asked to key in this default value to access CBV384Z4.

password: This is the value when accessing CBV384Z4 web management page. You will be asked to key in this default value to access CBV384Z4.

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This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

FCC RF Radiation Exposure Statement:

This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Statement

This device complies with Class B Part 15 of the FCC Rules. The device generates, uses and can radiate radio frequency energy and, if not installed and used as instructed, may cause harmful interference to radio communication. Only Coaxial cables are to be used with this device in order to ensure compliance with FCC emissions limits. Accessories connected to this device by the user must comply with FCC Class B limits. The manufacturer is not responsible for any interference which results from use of improper cables, or which results from unauthorized changes or modifications to the device.

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"A Minimum 26 AWG Line Core should be used for connection to the cable modem"

Operation is subject to the following two conditions:

this device may not cause interference and

this device must accept any interference, including interference that may cause undesired operation of the device.

IMPORTANT NOTE:

IC Radiation Exposure Statement:

This equipment with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC RF exposure compliance requirements, please follow operation instruction as documented in this manual.

Warranty

Items sold by manufacturer/distributor/agent, hereinafter called "Seller", are warranted only as follows: Except as noted below Seller will correct, either by repair or replacement at its option, any defect of material or workmanship which develops within one year after delivery of the item to the original Buyer provided that evaluation and inspection by Seller discloses that such defect developed under normal and proper use. Repaired or replaced items will be further warranted for the unexpired term of their original warranty. All items claimed defective must be returned to Seller, transportation charges prepaid, and will be returned to the Buyer with transportation charges collect unless evaluation proves the item to be defective and that the Seller is responsible for the defect. In that case, Seller will return to Buyer with transportation charge prepaid. Seller may elect to evaluate and repair defective items at the Buyer's site. Seller may charge Buyer a fee (including travel expenses, if needed) to cover the cost of evaluation if the evaluation shows that the items are not defective or that they are defective for reasons beyond the scope of this warranty.

The Seller makes no warranty concerning components or accessories not manufactured by it. However, in the event of failure of such a part, Seller will give reasonable assistance to Buyer in obtaining from the manufacturer whatever adjustment is reasonable in light of the manufacturer's own warranty. Seller will not assume expense or liability for repairs made outside the factory by other than Seller's employees without Seller's written consent.

SELLER IS NOT RESPONSIBLE FOR DAMAGE TO ANY ASSOCIATED EQUIPMENT, NOR WILL SELLER BE HELD LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR OTHER DAMAGES. THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED INCLUDING THE IMPLIED WARRANTY OF "MERCHANTABILITY" AND "FITNESS FOR PARTICULAR PURPOSE."

Note to CATV System Installer

"The EUT must be bonding the screen of the coaxial cable to the earth at the building entrance per ANSI/NFPA 70, the National Electrical Code (NEC), in particular Section 820.93, Grounding of Outer Conductive Shield of a Coaxial Cable."

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