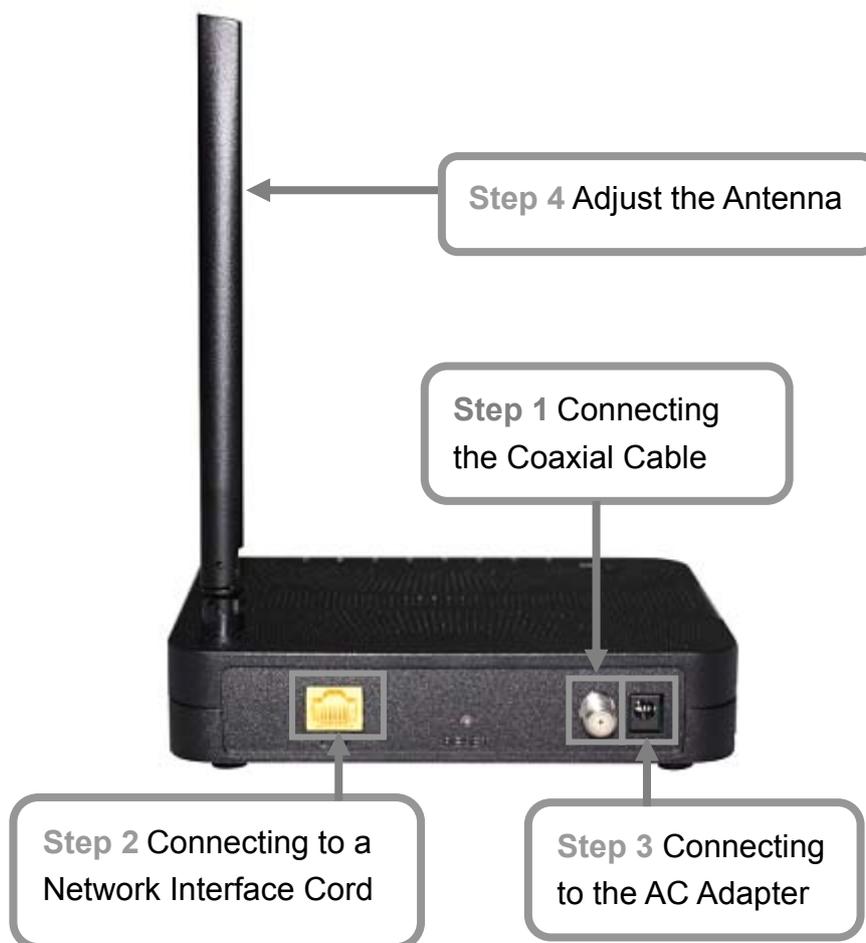## Package Contents

- CBW209D1 cable modem * 1
- Quick Installation Guide * 1
- RJ-45 CAT 5E cable * 1
- 12 V/1 A Power Adaptor * 1

Rear Panel and Hardware Connection

This chapter 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 4 Adjust the Antenna

Step 1 Connecting the Coaxial Cable

Step 2 Connecting to a Network Interface Cord

Step 3 Connecting to the AC Adapter

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 an IEEE 802.3 10Base-T / 802.3u 100Base-TX Network using a RJ-45 male-terminated Ethernet cable. This cable modem equips with one Ethernet port, you can connect one PC 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: Adjust the antenna if necessary.

Front Panel & LEDs

There are seven Light-Emitting-Diodes (LEDs) located on the front panel top provide status information to the user.

LED	NAME	COLOR	MODE	STATUS
⏻	POWER	Green	On	DC power connected
			Off	No DC power connected
⬇	DS	Green	Blinking	Downstream scanning
			On	Downstream locked
			Off	Cable interface idle
⬇⬆	US	Green	Blinking	Upstream ranging
			On	Upstream locked
			Off	Cable interface idle
⚓	ONLINE	Green	Blinking	CM provisioning
			On	CM on-line
			Off	Cable interface idle
LINK	LAN	Green	On	ETH device connected (FE)
			Blinking	Data in traffic
			Off	No ETH device connected
(((•)))	Wi-Fi	Green	On	WiFi enabled
			Blinking	Data in traffic
			Off	WiFi disabled
WPS	WPS	Green	Blinking	WPS in paring
			On	WPS paring completed
			Off	WPS inactive

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 CBW209D1.

1. Open your web browser. Type the default IP address of the CBW209D1 (e.g. http://**192.168.0.1**) and press Enter.

Configuring Your WAN Connection

The DHCP page allows you to activate/deactivate the DHCP server function of the CBW209D1, and, if the DHCP server is activated, to see DHCP leases it has provided.

Enable CBW209D1's DHCP server to allocate IP address to the connected LAN client (PC) and configure the Starting Local Address to be issued. You can also set the maximum number of PCs to which the CBW209D1 will issue IP addresses and the release time (in second).

Check your CBW209D1 Access Information

There is a label pasted to the bottom of CBW209D1 case. In that label, you can obtain following information. Please note, following label is just an example, each CBW209D1 has their own label and setting value. Please follow your label information to access and configure CBW209D1. In normal case, you don't need to change anything, all setting have been set and work properly.

SSID:
CBW209D1_8C9D

WPA2-PSK(TKIP+AES)

Web Management:
http://192.168.0.1
login: admin
password: password

SSID: This is used for your CBW209D1 wireless setting use, and, this setting has already been set to your CBW209D1.

WPA Pre-Shared Key: This is the password for your wireless client when connecting to CBW209D1. 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 CBW209D1. You can simply type http://192.168.0.1 in Microsoft Internet Explorer or any other internet browser to access CBW209D1 web management page.

Login: This is the value when accessing CBW209D1 web management page. You will be asked to key in this default value to access CBW209D1.

Password: This is the value when accessing CBW209D1 web management page. You will be asked to key in this default value to access CBW209D1.

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

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."

Trademarks

All trademarks are the property of their respective owners.

Federal Communication Commission Interference Statement

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 or more 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.

FCC Caution:

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.

Non-modification Statement:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC 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.

Limited Channels fixed for use in the US:

IEEE 802.11b or 802.11g or 802.11n(HT20) operation of this product in the U.S. is firmware-limited to Channel 1 through 11. IEEE 802.11n(HT40) operation of this product in the U.S. is firmware-limited to Channel 3 through 9