INNO MEDIA ™

InnoMedia

EMTA 6528-4WB

Quick Install Guide

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Introduction

The InnoMedia EMTA 6528-4WB Multimedia Terminal Adapter is a device that provides standard telephony service and broadband Internet access over a DOCSIS™ cable network. Designed for ease of installation and use, EMTA 6528-4WB will allow you to place and receive regular telephone and fax calls.

Package Contents

The InnoMedia EMTA 6528-4WB comes with the following items:

1 EMTA
1 RJ-45 Cable
1 AC/DC Power Adapter
1 Quick Install Guide
1 Battery Backup Supply

Installation

| Step 4 | Step 1 | Step 5 | Step 3 | Step 2 |
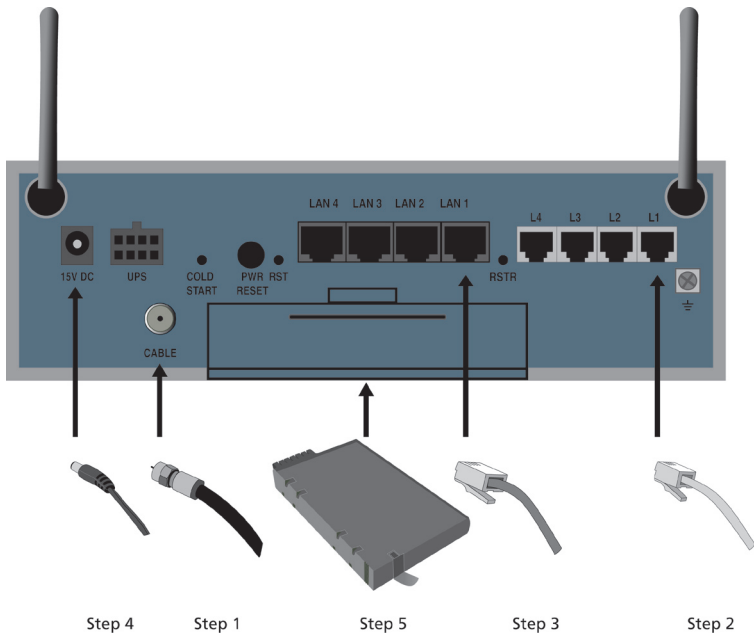
1. Connect the active RF coaxial cable to the "CABLE" connector.

2. Connect any standard analog telephone or fax machine to EMTA's "PHONE" connector, labeled L1-L4.

3. Optionally, connect your PC to any LAN port using included RJ-45 cable.

4. Connect included AC power cable to the electrical outlet and its cable to the EMTA's "15V DC" connector.

5. Open the battery compartment and insert the battery. Put the cover back in place.

6. Wait for "ONLINE" indicator light on front of EMTA (see Front Cover Picture) to be steady green. If "ONLINE" light is blinking faster, 0.5 seconds ON and 0.5 seconds OFF intervals, system provisioning is in progress. Please wait until "ONLINE" indicator light is steady green.

7. At this point you have completed the EMTA installation. You will hear the dial tone when you pick up the handset of the phone or fax machine. You can now start placing and receiving telephone and fax calls.

Troubleshooting

Problem:
Telephone has no dial tone

Solution:
1. Ensure that all cables (power, RF, telephone) are properly connected to the EMTA. Ensure that EMTA's AC power adapter is plugged in, and "PWR" indicator lights are ON (see Front Cover Picture).

2. Pick up telephone handset (phone off-hook), check for corresponding LINE (1-4) indicator light to be ON. Also, the "ONLINE" indicator light is steady green. If not, please disconnect EMTA power cable, and then reconnect it again (see Front Cover Picture).

3. If previous steps fail, report the failure to service provider for attention.

Problem:
Cannot establish Internet connection.

Solution:
1. If the PWR, RECV, SEND, and ONLINE LEDs are solidly lit, the cable modem is working properly. Try restarting the computer so that it could reestablish a connection with the cable modem.

2. Power cycle the EMTA by switching the power to the Off position, remove the power adapter from the electrical outlet and plug it back in. Wait several minutes for the cable modem to reestablish communications with your cable service provider.

3. If your PC is connected to a hub or gateway, try connecting the PC directly into the cable modem.

4. If you are using a cable splitter, try removing the splitter and connect the cable modem directly to the cable wall outlet. Wait several minutes for the cable modem to reestablish communications with your cable service provider.

5. Your Ethernet or coaxial cable may be damaged. Try using another cable.

6. If none of these suggestions work, contact your cable service provider for further assistance.

Appendix A. LED Status Summary

LED / Control	Blinking State	EMTA 6528-4WB State
PWR	Steady Green	Device power is on
	Off	Device power is off
LAN	Blinking Amber	When Data is passed while PC is connected to LAN Ethernet port
	Off	No PC connected to USB or LAN Ethernet ports
RECV	Steady Green	The cable modem module is locked to downstream frequency
	Blinking Green	The cable modem module is searching for downstream frequency
	Blinking Green simultaneous with SEND LED	The cable modem module is currently upgrading
	Off	The cable modem module is not locked to downstream frequency
SEND	Steady Green	The cable modem module is locked to upstream frequency
	Blinking Green	The cable modem module is searching for the upstream frequency
	Blinking Green simultaneous with RECV LED	The cable modem module is currently upgrading
	Off	The cable modem module is not locked to upstream frequency
ONLINE	Steady Green	The cable modem module has passed packet cable provisioning (including config file download) and is registered with the CMTS
	Blinking Green	The cable modem module is attempting to register with CMTS
	Off	The cable modem module has not passed provisioning and has not registered with the CMTS
PC/ACT	Solid Green	When PC is connected to LAN Ethernet port
	Off	No PC connected to USB or LAN Ethernet ports
L1 - L4	Blinking Amber	The connected telephone handset is on the hook (not in use) and there are new voice mail messages
	Steady Amber	The connected telephone handset is off the hook
	Off	The connected telephone handset is on the hook (not in use) and there are no new voice mail messages

Specifications

Telephone Interface	4 FXS voice ports	
	Connector	RJ-11 REN=5
	Signaling	Loop start
Network Interface - Uplink	Coaxial Cable Jack	
	Connector	75 W F-Type Female
Network Interface - Downlink	10/100 Base-T	
	Connector	RJ-45
RF Input Level	-15dBmV ~ +15dBmV	
Frequency Range	Upstream: DOCSIS: 5~42Mhz	
	Downstream: DOCSIS: 88~860MHz	
Dimension	2.4 in (H) x 10.0 in (W) x 9.0 in (D)	
	60 mm (H) x 255 mm (W) x 228 mm (D)	
Power Supply	AC 100~240V/50~60Hz (DC 15V @ 3 Amps)	
Power Consumption	Talk: DC 12V @ 2 Amps (24W), loop current 32 mA/ Idle: DC 12V @ 0.7 Amps (8.4W)	
Operating Temperature	32°F to 104°F (0°C to 40°C)	

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 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.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

IMPORTANT NOTE:
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.

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