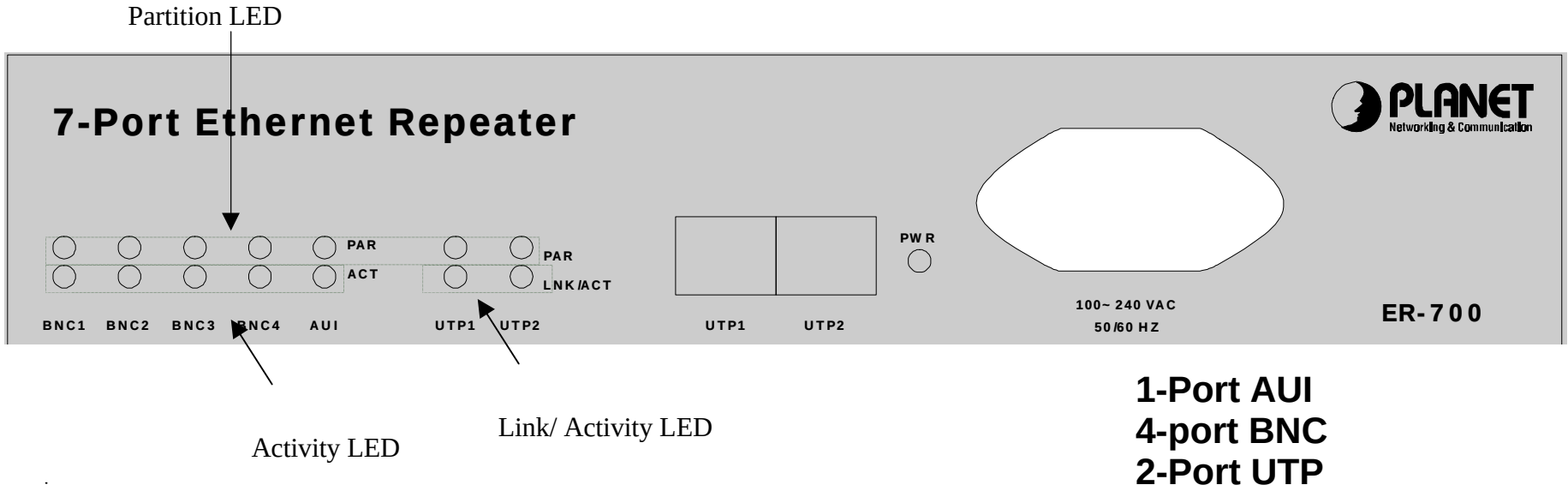
Quick Installation Guide

ER-700

7-Port Ethernet Repeater



1-Port AUI
4-port BNC
2-Port UTP

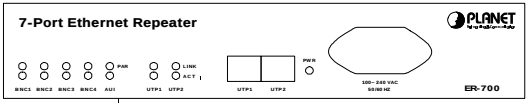
EMER700-1

PLANET Technology Corp.

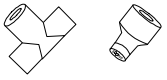
CE **ISO9002**

Packing List

ER-700



Quick Installation Guide for **ER-700**

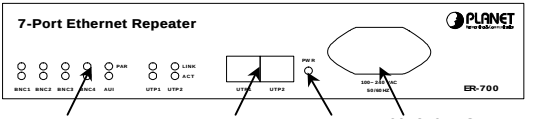


ER-700 x1
Power Cord x1
Installation Guide x 1
T-Connector x 4
50ohm Terminator x 4

System Description

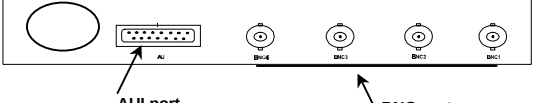
Front Panel

ER-700



LEDs **UTP Ports** **Power LED** **100~240VAC**

Rear Panel



AUI port **BNC ports**

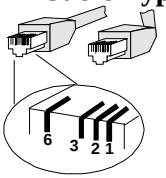
LEDs Indicator

LED	Status	Description
Power	Steady Green	System Power OK
Activity	Blinking Green	Indicate port/segment is receiving / transmitting data packet
LINK (UTP)	Steady Yellow	Indicate UTP port Link detected
PAR (BNC/AUI)	Steady Yellow	Indicate the port is partitioned off to isolate this bad port from the rest of the network. It will turn off as soon as the problem is corrected.

Cabling Guide

Type	10Base-2	10Base-5	10Base-T
Topology	Bus	Bus	Star
Maximum nodes per cable segment	30	100	2
Cable types	RG-58 A, U, A/U	RG-11	UTP, AWG22~ 26
Maximum length of a cable segment	606 feet (185 m)	1640 feet (500m)	328 feet (100 m)
Maximum repeater sets	4		

UTP Cable Type

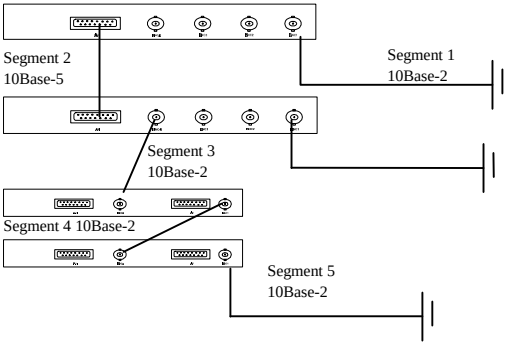


Straight Through Cable	Crossove Cable
Pin 1 ↔ Pin 1	Pin 1 ↔ Pin 3
Pin 2 ↔ Pin 2	Pin 2 ↔ Pin 6
Pin 3 ↔ Pin 3	Pin 3 ↔ Pin 1
Pin 6 ↔ Pin 6	Pin 6 ↔ Pin 2

Specification

Model	ER-700
Transmission Technique	Baseband
Access Method	CSMA/CD
Standard Compliance	IEEE802.3, 10Base-T, 10Base-2, 10Base-5
Ports	4 x BNC / 2 x UTP / 1 x AUI
LEDs	System : Power UTP : LINK, ACT AUI/BNC : PAR, ACT
Dimension (WxDxH)	240 mm x 135 mm x 44 mm (9.4” x 5.3” x 1.7”)
Weight	1.8 Kg (3.9lbs)
Power Input	90~240VAC, 50~60Hz
Power Consumption	5 W maximum
Operating Temperature	0~70 degree C
Humidity	10~80%, non-condensing
Emission	FCC part 15 Class A, CE mark

Application



Note: Maximum 5 Segments (4 Repeaters) allowed.
Each segment should terminated with a 50-ohm terminator in both ends.

Connecting the Hub to AC Power

After making network connections as described in the preceding sections, you are ready to plug the hub in and turn it on.

The input voltage is from 90 to 240 volts AC and any frequency from 50 to 60 hertz. Adjustment to the power source is automatic; there is no switch to set.

Before plugging the hub in, make sure the power cord
(1) is long enough to reach an AC wall outlet of an approved type,
(2) has plugs that match both the hub's power inlet and the type of wall outlet you will use, and
(3) Conforms to safety regulations in your area.

In most parts of the world you must use a three-conductor power cord with an integral three-prong grounding plug.

If the supplied power cord does not meet all three requirements given above, contact your computer equipment dealer and obtain one that does. Do not use an extension cord or multi-socket adapter; do not attempt to use a cord designed for any other kind of power inlet or wall outlet; do not use a cord that fails to meet safety standards in your part of the world.

Power Failure

To prevent costly equipment damage and downtime, please consider installing a surge suppression device or a UPS (un-interrupted power supply).

Troubleshooting

Check LED Indicators

LED indicators will act follow section "LED Indicators", please check the status all the time to have a quick diagnostic of the network status.

Partitioning

When a problem occurs on a segment connected to the repeater, the segment is automatically partitioned to isolate the problem from the rest of the network. The PAR LED indicator of the port should light up and remain this way until the problem is corrected.

- Check the cable connection in this segment carefully. Make sure all the devices are well-connected.
- Segment termination. Make sure the segment are terminated by a 50-ohm terminator.

After the problem corrected, ER-700 will automatically re-connect the partitioned segments to the networks.