



## LEMAR INDUSTRIAL CORP.

No51, Lane 40, Dashing Street,  
TAINAN, TAIWAN

TEL: +886-6-358 8686 FAX: +886-6-358 9797

[lemarnet@ms7.hinet.net](mailto:lemarnet@ms7.hinet.net) <http://www.lemar.com.tw>

### 2.4GHZ CATV Balun

Shielded RJ45 Plug with coaxial cable



#### Description:

The CATV Balun allows 75-ohm coaxial cable to be replaced by a single pair of Shielded Cat.6/6A cable in the CATV, Used in pairs, the CATV Balun allows broadband CATV equipment to be integrated into structured cabling systems thereby allowing CATV equipment to be moved or added to any convenient modular wall outlet.

It provides a versatile cabling solution for broadband video systems used by schools, government, corporations, hospitals, financial institutions, hotels and convention centers. The CATV Balun works in conjunction with CATV splitters, amplifiers and cable modems for a total cabling solution.

#### Features:

1. No AC power or batteries needed.
2. Bi-directional signal conversion.
3. Ultra-miniature enclosure to fit wall plate jack directly
4. Shielded RJ45 plug with coaxial cable
5. Easy installation

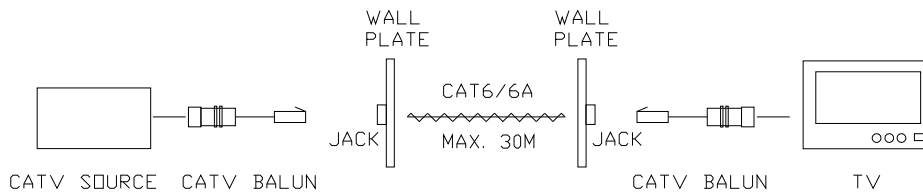
#### Specification:

Environment	Private and public broadband CATV.
Devices	CATV, satellite receivers, VCR and other broadband video equipment.
Bandwidth	5MHz to 2.5GHz
Impedance	75 ohm to 100 ohm
Insertion loss	-5dB typical 5MHz~10MHz -3dB typical 10MHz~1 GHz -8dB typical 1GHz~2.5GHz
Return loss	-18dB typical 5MHz~1GHz -15dB typical 1GHz~2.5GHz
Common mode rejection	-20dB typical
Connectors	Shielded RJ45 Plug pins 8+/7-F(Male/Female) or PAL(Male/Female) is optional
Cable-Coax	Impedance: 75ohm at 10MHz Attenuation: 194dB/km at 200MHz
Max. distance	30m Cat.6/6A
Environment required	Operating temp. 0 to 55° C Storage temp. -22 to 85° C Humidity up to 95%

## Installation:

1. The patch cord CATV balun requires to be used in pair.
2. Connect the 2.4GHz CATV Baluns to the jacks of wall plate both at side of source and the TV.

## Application:



## Troubleshooting:

### No Picture

1. Wrong wire colors have been used in wrong order please recheck the connection order.
2. The cable is damaged or there is a short or open circuit on the wire, please replace the wire.

### Poor Picture

1. Cable runs too long. The picture will deteriorate if the Cat.6/6A cable runs too long. 30 meters is the maximum distance for a passive balun.
2. Strong magnetic and/or electric field might affect picture quality, please keep hook-up away from them.
3. Check if qualified cables had been used, poor cables might affect pictures quality.

## Warranty:

Our products have a period of one year warranty.

Lemar warrants that this product is to be free from defect in materials and workmanship, for a period of one year from the date of the purchase. The warranty given by Lemar is in lieu of any other warranties, express or implied. This warranty does not apply to units abused through misuse or subjected to improper and/or excessive voltage, beyond our control. Lemar assumes no responsibility for damages or penalties incurred resulting from the use of this product. Lemar's liability under any warranties shall be discharged by replacing or repairing, at our option, the defective product. Lemar's liability for any product shall not exceed a refund of the purchase price. The warranty listed here is intended only as a summary of your full and complete warranty.

For a full and complete warranty of this product, please contact Lemar.

## Caution:

Do not attempt to open the body, as there are no user-serviceable parts inside Balun. Opening the unit will void your warranty.

*All the contents above are subjected to change without notice.*