

Australian
MADE



HAPPY WANDERER
CARAVAN ACCESSORIES

240 volt with 12 volt Alternative Supplied in Pack

MHW24G Amplifier/Booster

“MASTHEAD TYPE” SPECIALLY ADAPTED FOR INTERNAL CARAVAN USE

INSTALLATION INSTRUCTIONS

Please follow these instructions CAREFULLY

The booster is to be used only where a weak, snowy picture is received

- 1) Screw the amplifier box to the van wall adjacent to the internal co-axial wall socket. (The long co-axial lead must reach the socket.) The amplifier need not be fixed to a wall if inconvenient.
- 2) Remove the fly lead (the lead from the wall socket to the TV) from the wall socket.
- 3) Plug the long co-axial cable from the amplifier into the wall socket.
- 4) Plug the short co-axial lead from the amplifier into the “Power Injector” male fitting marked “TO AMPLIFIER”.
- 5) Plug the fly lead into the female plug on the “Power Injector” marked “TO TELEVISION”.
- 6a) **For 240 volt** - Plug the Power Supply into a power point or double adapter and switch on.
- 6b) **For 12 volt** - 2 Wires come with the 12 volt cable - a Black wire (-IVE) & a Black with White stripes (+IVE) which are to be connected to positive / negative terminals. Plug is not supplied therefore you may wish to hard wire or use Hella or Cigarette Lighter plug.
- 7) If your antenna goes straight into TV set (no van fittings), you will need a female to female adaptor and co-axial male to male lead.

TO BYPASS THE AMPLIFIER/BOOSTER

- 1) Disconnect the Power Supply.
- 2) Remove the co-axial cable between the wall socket and amplifier.
- 3) Remove the fly lead from the Power Injector.
- 4) Insert the fly lead into the wall socket.

ADDITIONAL INFORMATION

The booster has an inbuilt variable VHF gain adjustment which has been set to maximum gain. There should be no need to open the unit.

To provide the optimum UHF signal, the booster is pre-set to a nominal gain of 24dB. Our experience has shown that in the few areas where the amplifier booster is required the picture quality will be greatly enhanced.

Common belief is that “**BEST MOUNTING LOCATION FOR MASTHEAD UNIT IS ON MAST 300mm TO METRE BELOW ANTENNA.**” Ignore this, we have wired unit for use inside your van as there is insignificant loss of signal with the short antenna cable length used for caravanning.

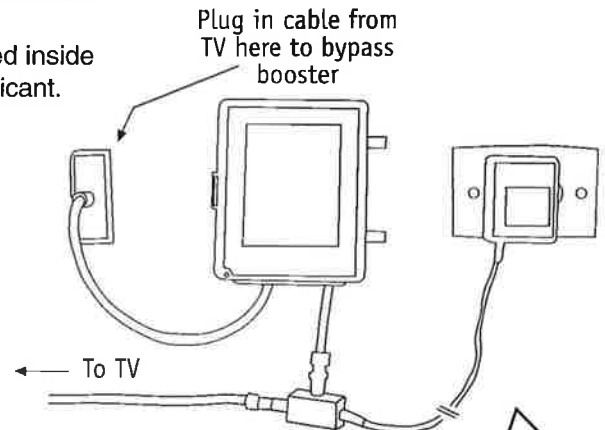
The short cable runs for RV vehicles means there is little long cable loss.

All Happy Wanderer products carry our 12 month warranty

MHW24G Amplifier/Booster with 240 volt & 12 volt power supplies

For use when your TV Antenna needs boosting in fringe areas or where the signal is weakened by buildings or trees.

- * Masthead type booster has been modified to allow booster to be installed inside caravan. With only a 4 meter lead from our antenna, signal loss is insignificant.
- * No extra leads are required - we supply everything you need.
- * Just plug in the power supply to a 240V outlet in your van, connect the coaxial leads supplied with the unit and boost is automatic.
- * 12 volt cable included for use with 12 volt power supply.
- * The booster can be easily bypassed when it is not required.
- * An ultra wide band, low noise masthead amplifier specifically designed for combined UHF/VHF antennae (all Happy Wanderer models).
- * Field tested by the manufacturer.
- * VHF max 15dB and UHF max 24dB gain.
- * Also boosts other caravan antenna types.



TROUBLESHOOTING GUIDE



Should you have problems in setting up your MHW24G booster in conjunction with the existing caravan antenna system, we suggest you check the following points:-

Should the picture be worse than it was before the amplifier was installed, the coaxial cabling must be checked to ensure none of the copper earth shielding wires on the coaxial cable are touching the centre conductor. If this occurs the internal safety switch will shut down the power supply, rectify the problem and the picture will return to full quality. (The short can be anywhere in the system where there is signal supply, especially in coaxial plug connectors).

Just as you can have not enough signal, you can sometimes have too much signal and this may cause your TV tuner to overload, causing the picture to flag, wave or images blend together. This can occur where the caravan site is close to a local transmitter. You should bypass the amplifier and power supply and just use the antenna.

If you are in a remote location and the picture is extremely poor even with the booster on, it may be that there is just not enough signal from the antenna to make the amplifier work.

In areas of poor reception it is important to have the antenna set up for the best possible reception before boosting. Transmission can be either **horizontal or vertical** or, in some cases, both. To help determine the optimum setting for any location in Australia, you may wish to refer to the Happy Wanderer "TV Station Guide" available by mail order for \$15.00.

A number of other factors can affect you TV reception, such as trees, valleys, weather conditions, faulty or inferior quality fly leads or weather worn coaxial cable connections on internal or external van walls. To alleviate problems with van wall connections, Happy Wanderer have developed a "thru-van-wall" connector system. This can be easily fitted by a competent handyman, suits all van wall thicknesses, and will provide many years of trouble free service.

SHOULD YOU EXPERIENCE ANY FURTHER DIFFICULTIES NOT COVERED ABOVE, PLEASE CONTACT HAPPY WANDERER FOR ADVICE.

DPC

Digital Picture compatible

This product has been successfully tested for Digital Picture Compatibility using a DVB-T Set Top Box or digital TV.

- ALL MASTHEAD AMPLIFIERS

OTHER PRODUCTS AVAILABLE FROM HAPPY WANDERER

THRU-VAN-WALL TV CABLE CONNECTION
"New." Digital friendly. D.I.Y. easily.
Long Life. Can replace existing.

TV Signal Finder
UHF/VHF - Analogue & Digital.

"WHEEL - ALERT"
Flat or Blown Tyre Monitor

NOW Available

The Caravanner's Guide to Australian Television Stations

This book lists TV stations, vertical, horizontal, UHF and VHF signals. It assists you in knowing when to set your antenna to vertical or horizontal mode. Local station numbers are given as well as other information to provide the best TV reception in all locations.