



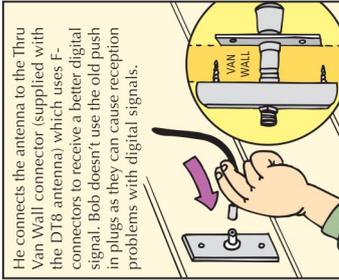
As he rotates the antenna in a circle, the new "inside Van Easy-Tune" 2 way signal booster shows him where the strongest signal is coming from.



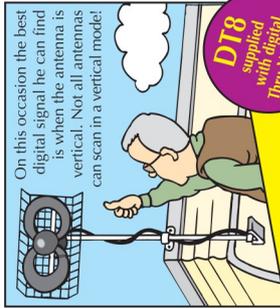
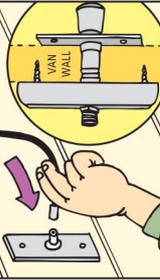
Using the LED indicators, Bob adjusts to the required amplifier gain to ensure his TV tunes all channels the first time.



Bob connects his DT8 long range HD antenna to his pop top caravan without the use of screws. Thanks to the Multi Fit bracket it fits neatly into his Caravan's travel Clamps. Bracket also adapts for full height vans and motor-homes.



He connects the antenna to the Thru Van Wall connector (supplied with the DT8 antenna) which uses F-connectors to receive a better digital signal. Bob doesn't use the old push in plugs as they can cause reception problems with digital signals.



On this occasion his DT8 digital signal he can find is when the antenna is vertical. Not all antennas can scan in a vertical mode!

DT8 supplied with digital Thru-Van-Wall and all cables



Bob's viewing his TV in the time it took to boil the kettle!

These products available from:

HAPPY WANDERER
CARAVAN ACCESSORIES
Unit 2/54, Byre Avenue, Somerton Park SA 5044, Ph 08 8376 2411
www.happywanderer.net.au

See Website for a list of local dealers and Technical FAQ's



HAPPY WANDERER
CARAVAN ACCESSORIES

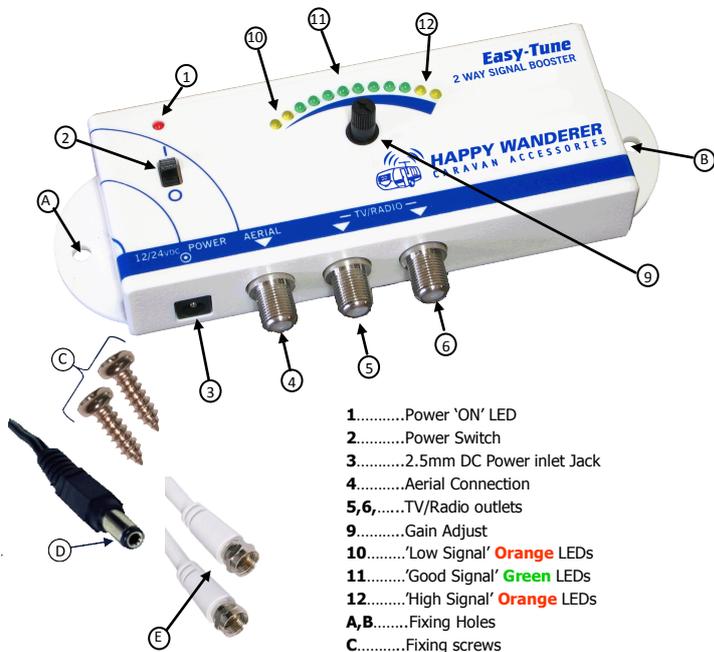
Easy-Tune
Combined Signal Finder & Amplifier Booster



User Guide

HAPPY WANDERER CARAVAN ACCESSORIES PTY LTD
Unit 2/54 Byre Ave Somerton Park SA 5044
Phone (08) 8376 2411 Facsimile (08) 8376 2455
email info@happywanderer.net.au
www.happywanderer.net.au





- 1.....Power 'ON' LED
- 2.....Power Switch
- 3.....2.5mm DC Power Inlet Jack
- 4.....Aerial Connection
- 5,6.....TV/Radio outlets
- 9.....Gain Adjust
- 10.....'Low Signal' **Orange** LEDs
- 11.....'Good Signal' **Green** LEDs
- 12.....'High Signal' **Orange** LEDs
- A,B.....Fixing Holes
- C.....Fixing screws
- D.....DC Power Cable - 2.5mm
- E.....30cm Aerial Hook-up patch lead

TECHNICAL SPECIFICATIONS

Easy-Tune 2 Way	
Operating Voltage	10.5 to 28V DC 250mA max (ALL LED's LIT)
Power on Indication	Yes, Red LED
Outlets	2
Variable Gain (per Outlet)	5-19dB
Frequency Range	47Mhz to 860Mhz (FM / DAB / TV) to all outlets (F connection)
Flatness	+/-1.5dB
Noise Figure	<2.9dB
Signal Indication (Sensitivity - 5 multiplexes averaged)	41dB μ V=1 LED to 90dB μ V=12 LED'S 6 LED's = 65dB μ V on outlet sockets, the preferred level for reliable digital TV reception
Dimensions	16.5x5.5x2.7cm 125 grams



N16369

INSTALLATION

Your Easy-Tune unit may be permanently fixed inside a convenient stowage compartment using the supplied screws (C). Fixing centres (A,B) are 15cm apart. **Ensure that it is safe to install the fixing screws into the chosen surface.**

1. Connect **12/24V ONLY** to the power inlet jack (3) i.e. from your leisure battery circuit or a suitable 240V mains to 12V adaptor with 2.5mm jack plug (+ve centre pin) and capable of delivering 250mA. (A suitable 240V Power adaptor is available from Happy Wanderer or their resellers). **NEVER connect 240V ac Mains directly to this unit!**

The supplied power cable (D), must be connected to a 12/24V supply. Please refer to your caravan handbook for details of where this lead may be connected. If you are unsure as to how to do this, then please consult a qualified electrical technician. All Easy-Tune are internally fused, however we recommend a fused outlet of no more than 5 amps in order that the cabling is protected. The wiring convention is thus:

- CONCENTRE PIN positive**, i.e. connect the **STRIPED** conductor of the DC power cable (D) to the **POSITIVE** terminal of your **12/24V supply**. The Easy-Tune / Easy-Boost units are polarity protected so incorrect connection **will not** damage the unit, it simply will not operate.
2. Connect the Hook-up lead (E) between the Aerial connection (4) and your aerial through-wall connection socket.
3. Connect your TV / Radio leads to the outlets (5,6). All outlets can be either TV or radio, provided the connected aerial is suitable for TV and radio.
4. Switch the Power Switch (2) to the ON position (1). The Power ON LED (1) will be lit.
5. You are now ready to start using your Easy-Tune unit

OPERATION

Your Easy-Tune unit is designed to indicate the presence and strength of a **DIGITAL** or **ANALOGUE** TV signal. In doing so it is able to assist in indicating when your aerial is pointing towards the best direction for your location. It is also able to boost the received signal for optimum performance and distribute to 2outlets.

1. Turn on the Easy-Tune unit (2) if not already done so.
2. Rotate the Gain Adjust control (9) to **maximum** setting i.e. fully **clockwise**.
3. Rotate your aerial whilst observing the LED's.
4. The aim is to rotate your aerial until you get the maximum number of LED's to light. You may need to decrease the Gain control (9) slightly if all 12 of the LED's illuminate.
5. Once the best direction has been established, adjust the Gain control (9) to light as many **Green** LED's (11) as possible. The Easy-Tune LED's are factory calibrated such that 4 **Green** LED's lit is an indication of 65dB μ V signal level - Which is the preferred level for reliable digital TV reception.
6. The High Signal **Orange** LED's (12) indicate when you may have too much signal and the Gain control (9) needs to be decreased.
7. The Low Signal **Orange** LED's (10) indicate when you have minimum signal and the Gain Control needs to be increased.
8. Once the optimum direction and level of Gain has been established, you may now tune your TV and that's it, you're done.
9. You may be in a location where only the Low Signal **Orange** LED's (10) light up, even on maximum gain, you should still attempt to tune your TV as this indicates that TV service does exist, albeit not as many channels as you may normally expect to find.