MAWB-A30

CLAMP ON WIDEBAND MIXER AERIAL

Item ref: 130.020UK

User Manual

Diplexer

F plug coax lead

Mounting clips

INTRODUCTION:

Thank you for choosing this Mercury aerial. This aerial is designed for the reception of FM, DAB and UHF digital TV signals. It is designed to clamp onto a satellite dish and does not need a mast. With a built-in low noise signal amplifier and mixer, it boosts the signals and transmits them along the same coaxial cable as the satellite signal.

SPECIFICATION:

Power Supply:	Via satellite receiver (13 – 18Vdc 60mA)
Frequency Range:	VHF: 87.5 – 230MHz, UHF: 470 – 862MHz
Gain:	VHF: 30dB, UHF: 27dB
Impedance:	75Ω
Connector:	1 x SAT input (950 – 2150MHz), 1 x Mix output
Insertion Lost:	3dB
Dimensions & weight	700 x 180 x 110mm, 450g

PRODUCT FEATURES:

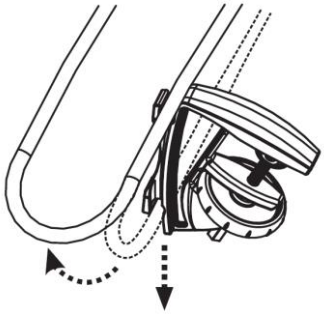
- Tool free installation, easily installed onto existing satellite dish.
- Built in high gain low noise amplifier with DC pass to power the amplifier and LNB from the satellite receiver.
- Built in signal mixer combines the satellite and terrestrial signals and transmits them down a single cable, saving material and labour costs.
- Supplied with diplexer to split satellite and terrestrial signals to feed a set top box and satellite receiver.
- Wideband frequency response compatible with FM/DAB/DTV(DVB-T, ATSC, ISDB-T, T-DMB).

INSTALLATION:

Please note, before installation turn the satellite receiver off and unplug from the mains supply. Take care not to alter the satellite dish position during installation, otherwise realignment may be required.

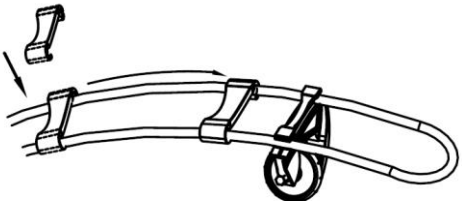
Step 1:

Gently pull the elements apart from each other and detach one side of each of the mounting clamps from the aerial element.

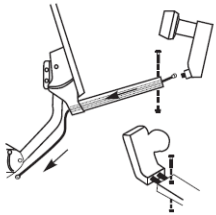


Step 2:
Position the aerial on top of the dish with dipole box at the back of the satellite dish, ensure the Mercury logo is facing outward. Put the mounting clamps over the edge of the satellite dish one by one and attach the loose end back on the aerial. Turn the thumbscrew clockwise to tighten the aerial in position.

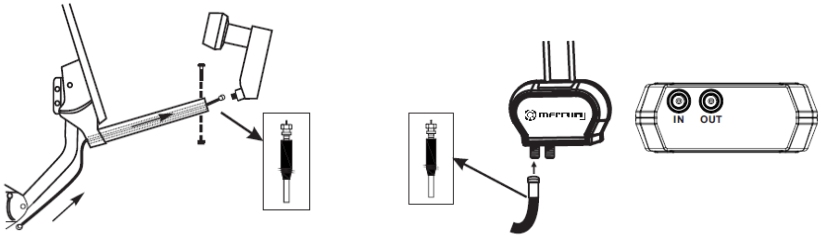
Step 3:
Attach the two securing clips to the aerial elements, one on each side and slide the clips towards the mounting clamp, this prevents the aerial detaching from the mounting clamps.



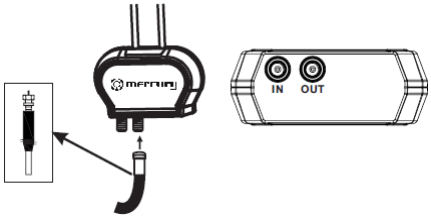
Step 4:
Undo the screws that hold LNB on the support beam, disconnect the cable from LNB output if it is an existing installation.



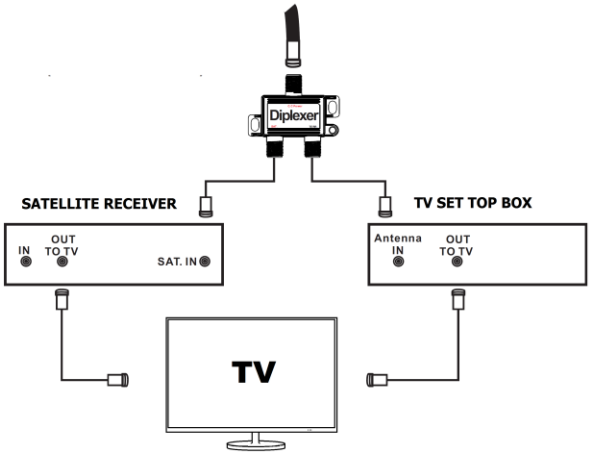
Step 5:
Connect output of the LNB to the input of the aerial dipole box using the supplied coax cable, use the waterproof boot supplied to cover the connections to prevent ingress of water.



Step 6:
On existing installations, connect the cable removed from LNB to the mix output on the aerial. Otherwise run the cable neatly to the satellite receiver.



Step 7:
At the end of the cable connect the diplexer as shown in the diagram below. (To split the satellite and terrestrial signal). Connect SAT on the diplexer to the SAT in on the satellite receiver and Ter on the diplexer to TV set top box (or directly from Ter on the diplexer to TV if it is digital TV compatible).



Some satellite receivers, such as SKY boxes have an RF in function which means the Ter output can be plugged into RF in socket, this will require an additional F-plug to RF plug lead.

This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.