MAUHF-A27

4G READY CLAMP ON UHF MIXER AERIAL

Item ref: 130.022UK

User Manual

Diplexer

F plug coax lead

INTRODUCTION:

Thank you for choosing this Mercury aerial. This aerial is designed for the reception of 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 coax cable as the satellite signal.

SPECIFICATION:

Power Supply:	Via satellite receiver (13 – 18Vdc 60mA)
Frequency Range:	470 – 790MHz
Gain:	27dB
Impedance:	75Ω
Connector:	1 x SAT input (950 – 2150MHz), 1 x Mix output
Insertion Lost:	3dB
Dimension & weight:	300 x 100 x 180mm, 350g

PRODUCT FEATURES:

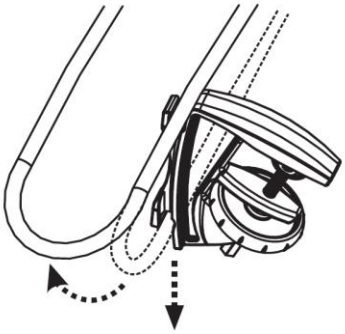
- Tool free installation, easily installed onto existing satellite dish.
- Built in 4G signal filter to prevent 4G mobile signal interference.
- Built in high gain low noise amplifier, with DC pass to power the amplifier and LNB from the satellite receiver.
- Built in signal mixer combines the satellite 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.
- Compatible with DTV(DVB-T, ATSC, ISDB-T, T-DMB).

INSTALLATION:

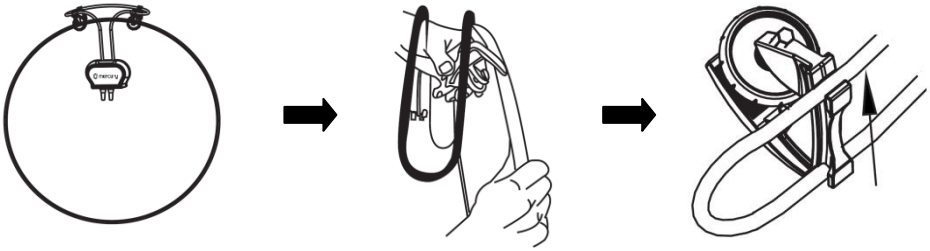
Please note, before installation turn the satellite receiver off and unplug from the mains supply. Take care not to alter the satellite dish position during installation, otherwise realignment may be required.

Step 1:

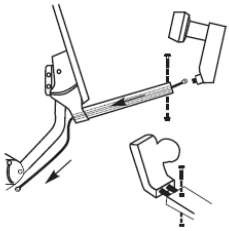
Gently pull the elements apart from each other and detach one side of each of the mounting clamps from the aerial element.



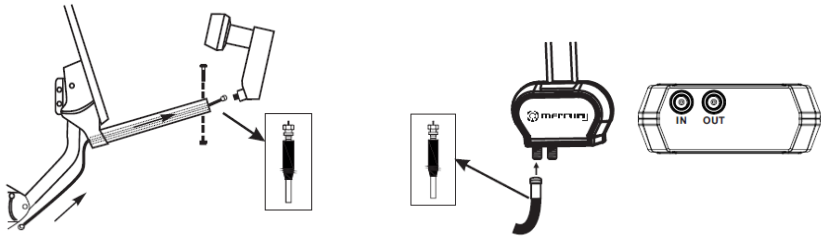
Step 2:
Position the aerial on top of the dish with dipole box at the back of the satellite dish, ensure the Mercury logo is facing outward. Put the mounting clamps over the edge of the satellite dish one by one and attach the loose end back on the aerial. Turn the thumbscrew clockwise to tighten the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



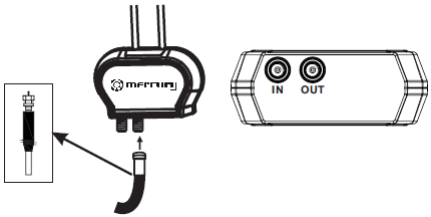
Step 3:
Undo the screws that hold LNB on the support beam, disconnect the cable from LNB output if it is an existing installation.



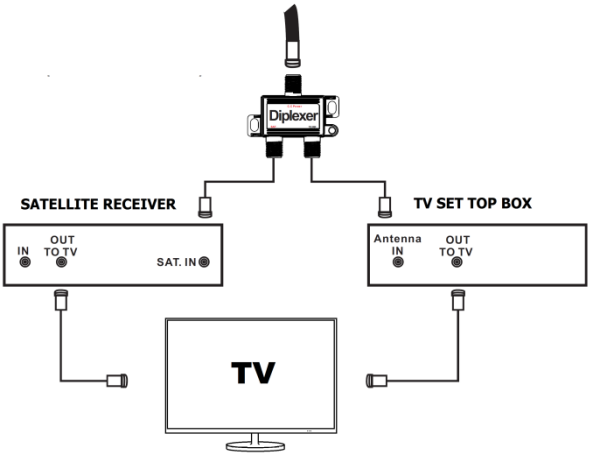
Step 4:
Connect output of the LNB to the input of the aerial dipole box using the supplied coax cable, use waterproof boot supplied to cover connections to prevent ingress of water.



Step 5:
On existing installations, connect the cable removed from LNB to the mix outputs on the aerial.



Step 6:
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 box, have an RF in function which means the Ter output can be plugged into RF in socket, this will require a 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.