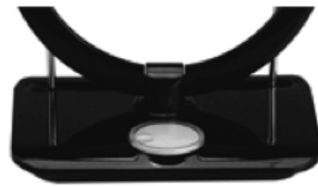




### 3. Turning the antenna on and gain adjustment

Turn on the antenna by rotating the Min/Max switch, this is also the gain control so you can adjust this until you get the best reception. (Please note sometimes too much gain is as bad as too little). If you are having major reception issues you might want to try placing the antenna in a different position. (For example near a window)



### 4. Antenna adjustment

When receiving UHF signal (TV Reception 470-790MHz) adjust the loop to the best reception angle. When receiving VHF signal (Radio Reception 47-230MHz) extend and move the dipoles to the best reception.





## User Manual

Please read this manual thoroughly before using your Ross Indoor Aerial and then retain for future reference

### 1.1 Important Safety Instructions:

- Please read these instructions carefully and retain for future reference. If you sell, or give this aerial away be sure to pass on the instructions.
- There are no user serviceable parts inside this unit. DO NOT open there are dangerous voltages inside. Electric shock hazard.
- This unit operates on AC 230V ~50Hz DC12V/50mA supply.
- During use, this device may become warm, this is normal. DO NOT allow anything to block the ventilation slots as this may cause overheating and a consequent risk of fire.
- To be completely disconnected from the power input the power adaptor must be disconnected from the mains.
- The marking plate is located on the bottom enclosure of the apparatus.
- **DO NOT** use the aerial during a thunderous day and turn off the power
- **DO NOT** place naked flames (such as candles) on this equipment.
- **DO NOT** stand other equipment on this unit.
- **DO NOT** obstruct the power adaptor and it should remain easily accessible during use.
- **DO NOT** operate close to heaters or other heat sources.
- **DO NOT** stand on soft furnishings
- **DO NOT** allow anything to trap, pinch or otherwise damage the power cord, if the power cord should become damaged IMMEDIATELY switch the aerial off at the wall and unplug it, you should then contact your service centre to carry out a repair.
- **DO NOT** overload the wall socket, this can be dangerous and lead to a fire hazard.
- **MAKE SURE** you have easy access to the mains plug in case of emergency.
- **DO NOT** unplug the unit by pulling the power cord, always grasp the plug firmly and pull from the wall socket.
- **DO NOT** touch the mains plug or power cord with wet hands. Electric shock hazard.
- **DO NOT** stand items such as water filled cases on the aerial.
- **DO NOT** operate this unit in damp conditions or allow water or other fluids to enter the enclosure. If this happens, switch off IMMEDIATELY and refer the device to the Ross helpline.
- **DO NOT** connect or disconnect cables from the aerial when it is turned on. Switch off the power unit first.
- **DO NOT** clean this device using solvent based products. Use only a soft dry cloth.

## 1.2 General Information

- Thank you for choosing the Ross Digital Indoor Loop Aerial – 4G. Treated with care and used in accordance with the contents of this manual it will provide many years of reliable service
-  This symbol indicates that, at the end of its useful life, this product must not be disposed of with normal domestic waste. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please recycle it responsibly.
-  This product conforms to all applicable EU legislation for this type of product. Further information can be obtained from Ross if required.
- Please note in order to receive digital TV signals you will require a digital box of some description.

## 2.0 In the Box:

Please open your box carefully and check the contents which should be as the list below: If anything is missing please contact the Ross helpline or return the product to the point of purchase.

- Aerial
- Power supply

## 3.0 Product Specifications

Please find the detailed specifications for Ross Digital Indoor Loop Aerial below:

- Reception Channels: 2-12, 21-60
- Frequency: VHF: 47-230MHz UHF: 470-790MHz
- Max Noise Figure: 1.5/1.8dB (VHF/UHF)
- VSWR (Voltage Standing Wave Ratio) <2.5
- Max Output Level: 90dB $\mu$ V
- 3dB Beam Width:  $\pm 24^\circ / \pm 26^\circ$  (VHF/UHF)
- Input Voltage: AC 230V ~ 50Hz
- Working Voltage: DC12V/50mA
- Impedance ( $\Omega$ ): 75
- Connector: IEC-Connector

## 4.0 Product Features

Please find details of the Ross Digital Indoor Loop Aerial features below:

- Built-in LTE/4G filters to avoid interference from 4G mobile phone signals
- Receives full HD television, digital signals and DAB radio programs: for reception of local and regional UHF and VHF signals as well as FM radio signals
- Adjustable wide band amplifier for the best picture and sound reception
- Signal clear technology with extremely low noise and high gain circuitry
- Adjustable loop aerial for the best UHF reception
- Telescopic dipoles for best VHF and FM reception
- On/Off switch for energy saving
- Ultra slim design
- Attractive “piano” Black finish

## 5.0 Installation

The Ross Digital Indoor Loop Aerial is quick and easy to install please follow the below instructions

### 1. Power Connection

Connect the coaxial cable to the TV's RF input socket



### 2. Connect the aerial to the TV

Connect the AC adaptor to the DC12V/50mA jack at the back of the aerial and plug the AC adaptor into a standard AV outlet

