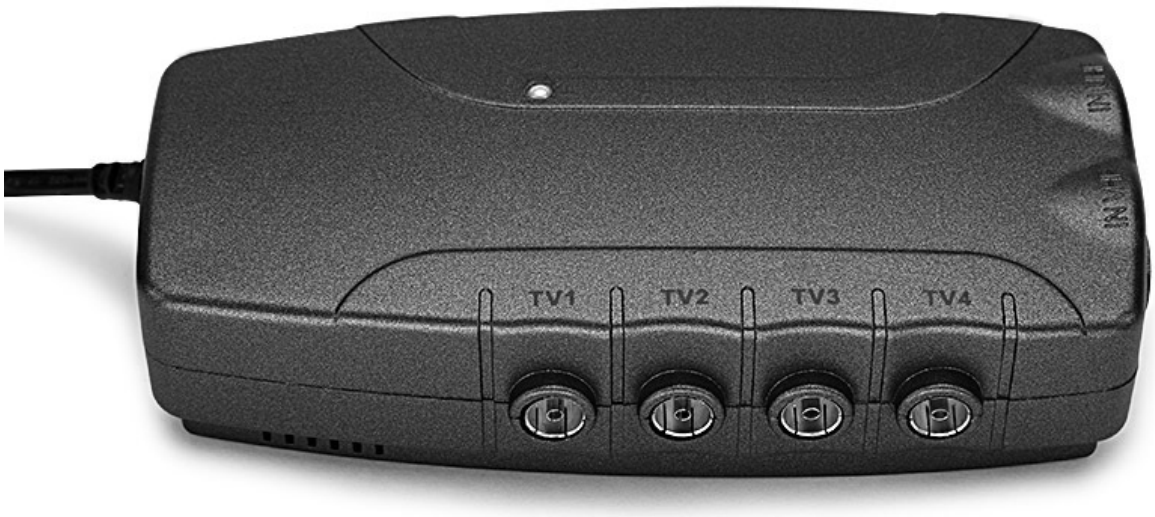
Four-Way Antenna Signal Booster

User Manual



RETAIN THIS MANUAL FOR FUTURE REFERENCE

PLEASE READ THIS MANUAL CAREFULLY BEFORE USE

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Introduction

WARNING: The apparatus should not be dropped or immersed in water. The disconnect device (mains plug) will remain readily operable.

The Four-Way Antenna Signal Booster series are designed to improve the picture and sound quality of TV and FM radio signals and distribute these to multiple locations around your home. The Four-Way Antenna Signal Booster can also be used to distribute a VCR, Digital Television and FREEVIEW signals to up to four televisions around your home.

This booster has an integrated by-pass designed to allow the user to control the digital FREEVIEW receivers from any of the connected televisions using an infrared link device and a FREEVIEW-compatible remote control.

For added safety, the Four-Way Antenna Signal Booster has a built-in short circuit protection on each individual output. Should a short circuit be detected, the booster will only shut down the output with the short circuit; the other outputs will continue to function as normal.

The boosters are easy to install and fully automatic in operation; no user adjustments are required. The low running cost permits continuous operation. With full instructions and wall mounting templates, installing the Four-Way Antenna Signal Booster is both quick and easy.

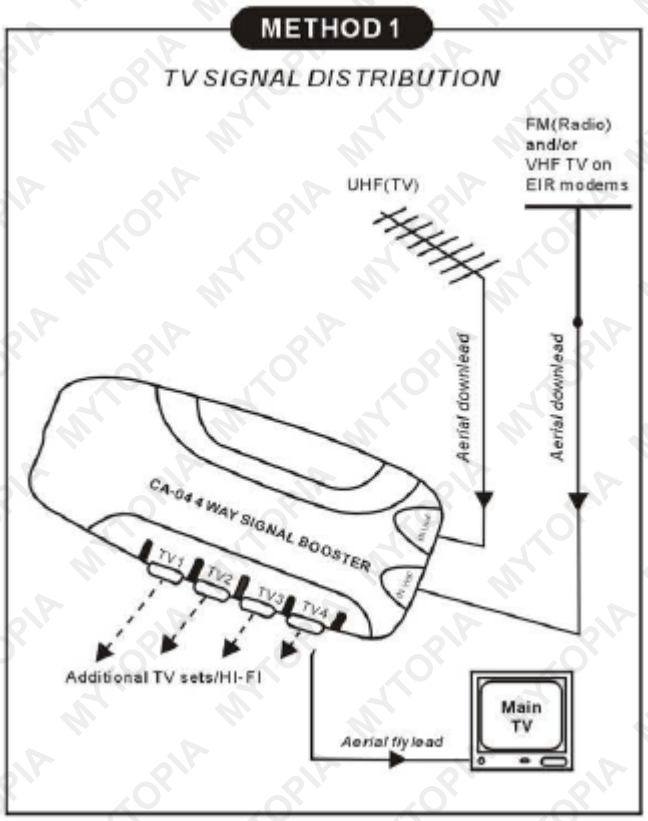
Installing the Four-Way Antenna Signal Booster

The Four-Way Antenna Signal Booster can be installed in either a room location or in a loft. Choose your installation position according to your personal preferences. Please be aware though that long lengths of cable can become subjected to interferences, so avoid any unnecessary long lengths of cable.

Method 1

TV Signal Distribution

1. Connect your UHF aerial downlead to the IN UHF socket and connect your FM aerial downlead (if applicable) to the IN FM socket on the Four-Way Antenna Signal Booster.
2. Connect your TV sand FM tuners to any of the Four-Way Antenna Signal Booster TV sockets in any combination.



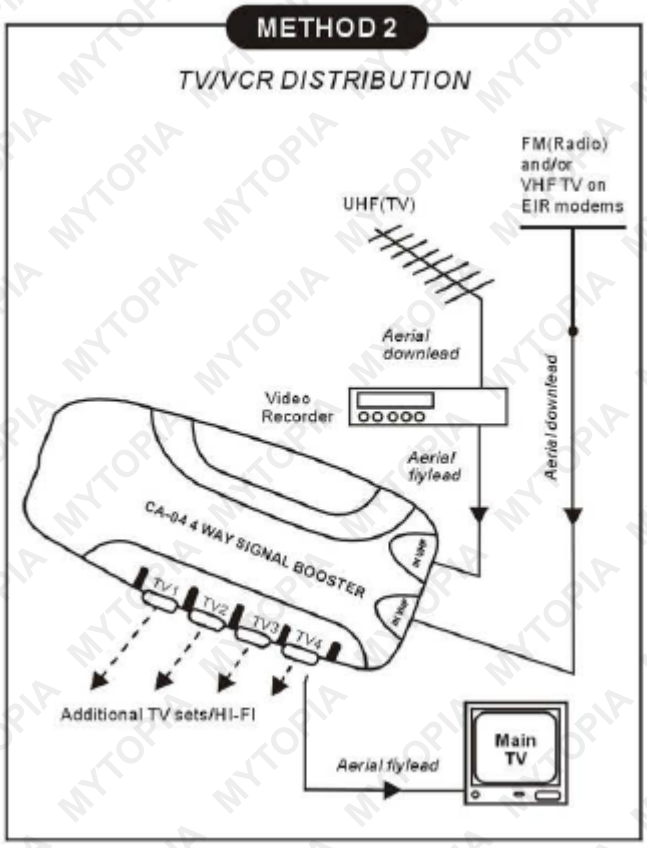
Method 2

TV/VCR Distribution

1. Connect your UHF aerial downlead (typically via an aerial wall socket) to the aerial input on your VCR and connect your FM aerial downlead (if applicable) to the IN FM socket on the Four-Way Antenna Signal Booster.
2. Connect an aerial fly-lead from the aerial output on your VCR to the IN UHF socket on the Four-Way Antenna Signal Booster.
3. Connect your TVs and FM tuners to any of the Four-Way Antenna Signal Booster TV sockets in any combination.

Once connected, you can tune each television to traditional terrestrial channels and a channel for VCR viewing.

If you want to connect independent VCRs in each location, connect them using Method 1 but connect the Four-Way Antenna Signal Booster TV output/s to your VCR/s, then connect your VCR/s to your television/s.



Method 3

TV/VCR/Satellite Distribution

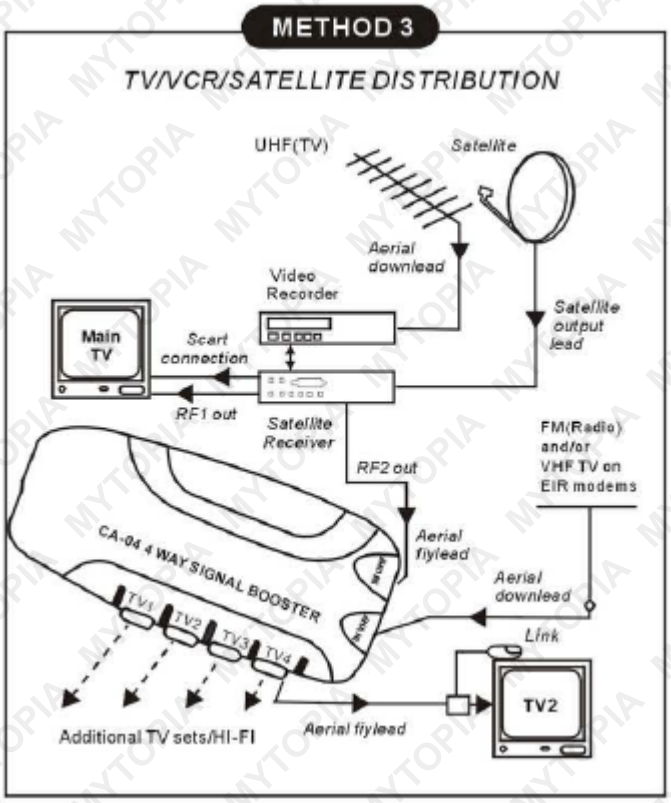
This connection method will allow infrared-linked devices to be installed to one or more of the TV locations. These devices allow you to control your FREEVIEW receiver from any TV location that does not have a clear line of sight of the receiver.

1. Connect your UHF aerial downlead to the aerial input on the VCR and connect your FM aerial downlead (if applicable) to the IN FM socket on the Four-Way Antenna Signal Booster.
2. Connect an aerial fly-lead from the aerial output on the VCR to the aerial input on the satellite receiver
3. Connect an aerial fly-lead from the RF2 output on the satellite receiver to the IN UHF socket on the Four-Way Antenna Signal Booster.
4. Connect your TVs and FM tuners to any of the Four-Way Antenna Signal Booster TV sockets in any combination

Once connected , you can tune each television to traditional terrestrial channels, a channel for VCR viewing and a channel for satellite viewing

NOTE: Only one satellite channel can be viewed at any one time without the use of additional satellite receivers and subscriptions

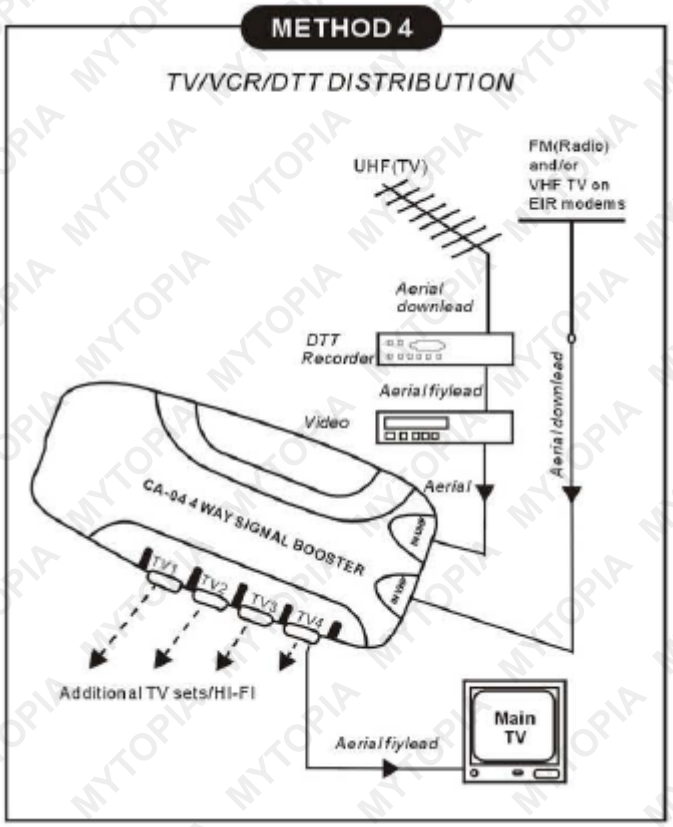
NOTE: It may be necessary to re-calibrate your VCR when used with a satellite receiver. Please consult your VCR owner's manual for details.



Method 4

TV/VCR/DTT (Digital Terrestrial Television) Distribution

1. Connect your UHF aerial down lead to the aerial input on the OTT receiver and connect your FM aerial downlead (if applicable) to the IN FM socket on the Four-Way Antenna Signal Booster.
2. Connect an aerial fly-lead from the aerial output on your OTT receiver to the aerial input on your VCR.
3. Connect an aerial fly-lead from the aerial output on your VCR to the IN UHF socket on the Four-Way Antenna Signal Booster.
4. Connect your TVs and FM tuners to any of the Four-Way Antenna Signal Booster TV sockets in any combination.



Once connected, you can tune each television to traditional terrestrial channels, a channel for VCR viewing and a channel for OTT viewing.

If you are receiving poor OTT reception, connect the Four-Way Antenna Signal Booster before your OTT receiver to boost the signal strength. In most cases, poor OTT reception can only be solved by acquiring a suitable aerial (see troubleshooting) or waiting until OTT coverage improves in your area.

NOTE: Only one OTT channel can be viewed at any one time without the use of additional OTT receivers.

Troubleshooting

If you are still experiencing reception problems after installing the Four-Way Antenna Signal Booster, please refer to the troubleshooting guide below.

No Picture or Sound

No signal is reaching your television due to a possible break in the aerial signal path. Ensure that all equipment has been switched on (including the Four-Way Antenna Signal Booster) and that all coaxial connectors have been fitted correctly.

Snowy Picture

Your signal strength is too weak. You may have to use a masthead aerial booster to improve the signal quality from the UHF aerial down-lead. Also ensure that your aerial is positioned correctly (pointing at your local TV transmitter). Ageing aerials become corroded by the weather, which may need to be replaced. Also check that the position of the aerial has not been misaligned by weather, birds, or loft activity.

“Herringbone” Pattern

“Herringboning” is generally caused by signals that are too strong or possibly by local high power transmitters such as CB, amateur or taxi radios.

Your TV sound may be affected as well as the picture. Use a signal attenuator (available at your local electrical retailer) to reduce the gain of your aerial signal and improve your picture quality. If you are located very close to your local television transmitter, point your aerial at an alternative transmitter in order to receive a more suitable level signal.

Problems with OTT

Unlike analogue terrestrial television, it is not possible to view OTT channel under weak signal strength conditions. Therefore, you will either receive OTT channels with a clear picture and sound or you will not receive any channels at all.

Sometimes, an insufficient digital signal can cause occasional blocking, freezing or complete loss of picture quality. Some roof aerials may not be suitable for digital terrestrial television.

Ensure that you have fitted a suitable wideband, high gain aerial to help improve signal quality to a suitable level for clear OTT reception.

Blocking, freezing or complete loss of picture quality can also occur when a digital signal is too strong. If your signal is too strong, connect your OTT receiver directly to the UHF aerial downlead, then connect the Four-Way Antenna Signal Booster to your OTT receiver output followed by your remaining equipment. If the signal is still too strong, fit a signal attenuator between the aerial down lead and OTT receiver to help reduce the signal strength.

Problems with Satellite Television

If you are experiencing any problems with your satellite television picture, check that all cables and connectors have been fitted correctly.

If the problem still persists, it is probably due to the dish alignment or a temporary problem with the channel transmissions. Please contact your local satellite dealer if the problem persists.

Caution

- If the appliance is not in use, please unplug.
- The main plug is used as the disconnecting device; the disconnecting device shall remain readily operable.
- This plug is not waterproof – keep it dry at all times. This device complies with part of the installing boosters; no water should be splashed on the whole product at any time.

Technical Specifications

Frequency range	UHF 470-863MHz VHF 47-230MHz
Gain	10dB per split
Noise	≤ 3.5dB
Isolation Loss	23dB
Weight	518g
Dimensions (w x l x h)	177 x 85 x 46mm

Some experts believe the incorrect or prolonged use of almost any product could cause serious injury or death. For information that may reduce your risk of serious injury or death consult the points below and additionally, the information available at www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature online documentation which should be printed and kept with the product.
- Check product for loose / broken / damaged / missing parts, wear or leaks (if applicable) before each use. Never use a product with loose / broken / damaged / missing parts, wear or leaks (if applicable).
- Products must be inspected and serviced (if applicable) by a qualified specialist every 6 months assuming average residential use by a person of average weight and strength, above average technical aptitude, on a property matching average metropolitan specification. Intended use outside these guidelines could indicate the product is not suitable for intended use or may require more regular inspection or servicing.
- Ensure all possible users of the product have completed an industry recognised training course before being given access to the product.

- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or your description of the application. Be sure to attain third party approval for your application from a qualified specialist before use regardless of prior assurances by the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (take an automobile, aircraft, computer or ball point pen for example) there is always a small chance of a technical issue that needs to be repaired or may require replacement of the product or a part. If the possibility of such failure and the associated time it takes to rectify could in any situation inconvenience the user, business or employee or could financially affect the user, business or employee then the product is not suitable for your requirements. This product is not for use where incorrect operation or a failure of any kind, including but not limited to a condition requiring product return, replacement, service by a technician or replacement of parts could cause a financial loss, loss of employee time or an inconvenience requiring compensation.
- If this item has been purchased in error considering the points above simply contact the retailer directly for details of their returns policies if required.