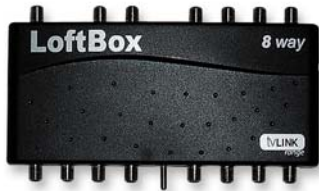


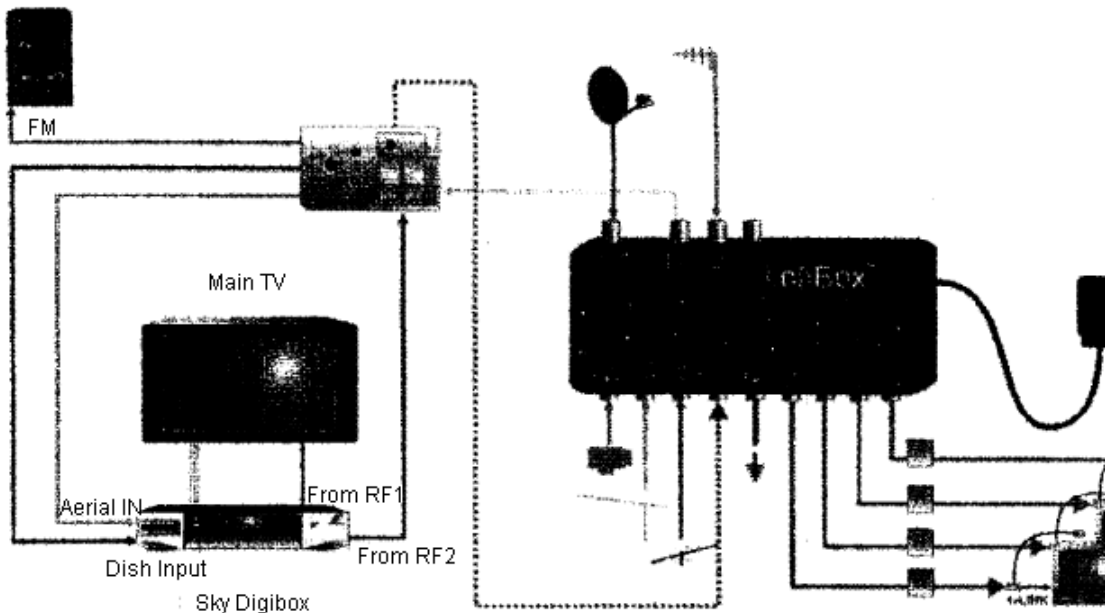
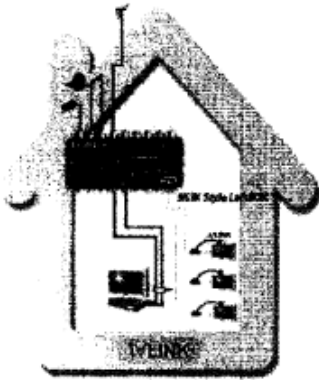
# TV Link Loftbox



The global 'Loftbox' is an integrated In-home distribution system. Normally located in the loft, it combines TV, FM, DAB, CCTV and satellite onto one down cable, feeding to a global triplexing wallplate or a MSWP in the living room.

The 'Loftbox' takes a return feed from the living room which would typically be from the UHF2 output from the sky digibox or from a 'Y' splitter.

FM and DAB are diplexed onto the return feed and then distributed to additional points within the house via global TV/FM diplex wallplates. Each outlet point is able to receive normal terrestrial TV, FM, DAB, CCTV and the selected satellite channel. The 'Loftbox' fully supports the infrared control signals from the TV link remote eye back to the sky digibox.



# TV Link Loftbox



## Description:

The new global loftbox has been designed as the total integrated home distribution system. Normally located in the loft, it combines UHF analogue TV/UHF digital TV, FM radio, DAB (digital audio broadcasting), CCTV (modulated output) and satellite signals onto one down cable feeding a global triplexing wall plate in the living room. The loft box accepts a return feed from the living room which would typically be from the UHF2 output from the sky digibox or from a Y splitter.

FM and DAB signals are di-plexed onto the return feed (within the loftbox) and are then distributed with UHF TV channels to additional points within the house via global DC passing TV/FM diplex wall plates. Each output is able to receive normal terrestrial TV, FM, DAB, CCTV and the selected satellite or digital TV channel. The loftbox has a built in power supply and is designed for connection to a 13 ampere mains socket.

The loftbox is available as a four, eight or sixteen outlet unit.

The loftbox fully supports the infra red control signals from the TV link, TV link plus, remote eye back to the sky digibox if this is to be used.

## Earth Bonding:

The outer sheaths of the coaxial cables may need to be interconnected and bonded to a local earth point. A binding post is provided on the front panel to facilitate this.

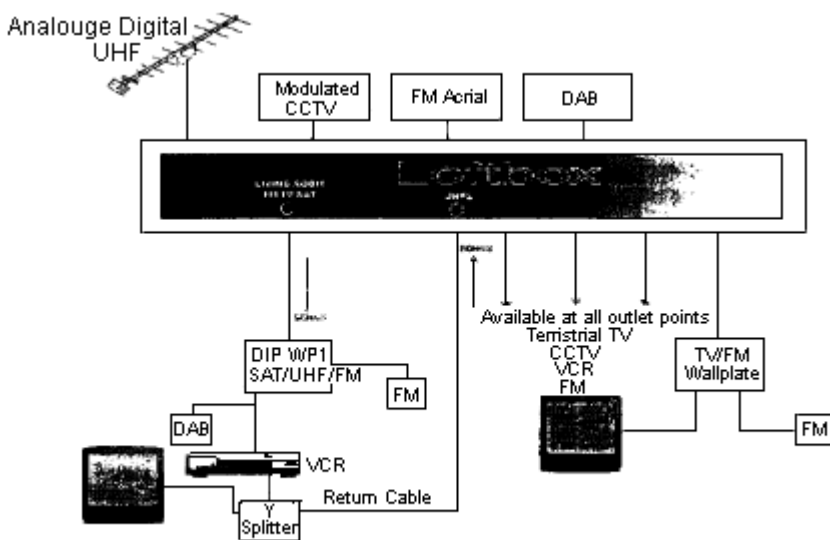
## Mechanical:

The loftbox should be mounted on a suitable joist or rafter within the loft. The loftbox has been designed to be mounted in any position to suit the connecting cables.

## Mains Connection:

The loftbox should be connected to a suitable 13A mains socket using the power lead supplied. The power supply is double insulated.

## Standard Installation:



If these services are required:

Connect the UHF aerial coax to the F connector marked TV antenna.

Connect the modulated CCTV to the F connector marked CCTV.

Connect the FM antenna coax to the F connector marked FM antenna.

Connect the DAB antenna coax to the F connector marked DAB antenna.

# TV Link Loftbox

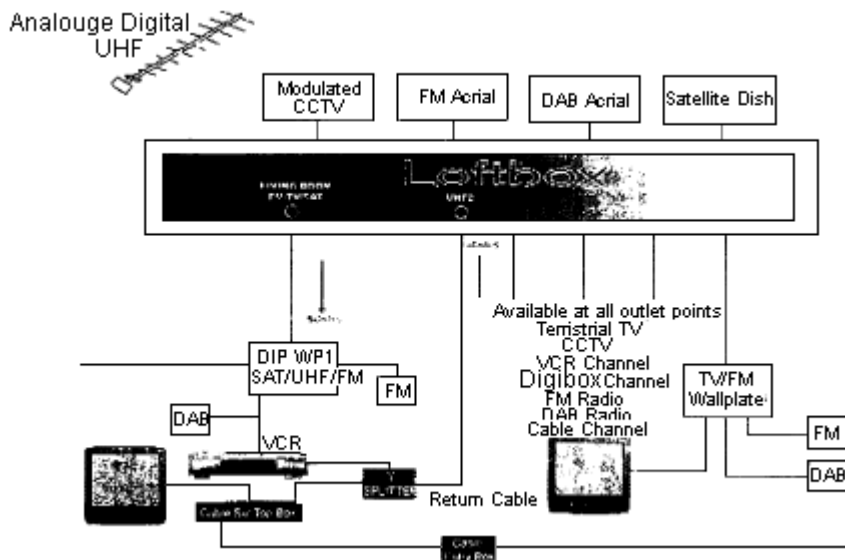


A suitable coax (CT100) cable should be connected to the F connector marked living room FM/TV/SAT and then run to a outlet plated in the main living area. The wallplate to be used may be a standard diplexing wall plate although to future proof the installation (to allow for possible satellite TV) the wall plate should be the global triplexing plate. This wall plate will then provide all UHF, DAB and FM signals to the living room or home entertainment centre. The return UHF signal is taken via a Y splitter and should be routed back up to the loft via a standard wallplate. The returning UHF signal is fed back into the loftbox by connection to the F connector marked UHF2 digibox.

Each distribution output from the loftbox may be routed to the required room using standard coax cable and should be terminated with a global TV/FM diplex wallplate.

Available at all outlet points terrestrial TV, CCTV, VCR channel, FM radio and DAB radio.

## Standard Installation- plus Sky Digital:



If these services are required:

Connect the UHF aerial coax to the F connector marked TV antenna.

Connect the modulated CCTV to the F connector marked CCTV.

Connect the FM antenna coax to the F connector marked FM antenna.

Connect the DAB antenna coax to the F connector marked DAB antenna.

Connect the satellite LNB coax to the F connector marked SAT antenna.

A suitable (CT100) coax cable should be connected to the F connector marked living room FM/TV/SAT and then run to a wall outlet plate in the main living area. The wall plate to be used should be the global triplexing plate. This wall plate will then provide all satellite TV, UHF, DAB and FM signals to equipment within the living room. DC supply and control signals for the LNB are passed back from the digibox to the satellite dish, via the loftbox.

The return UHF signal is taken from the digibox RF2 outlet and should be routed back up to the loft via a standard coax wall plate.

The returning UHF signal is fed back into the loftbox by connection to the F connector marked UHF2 digibox.

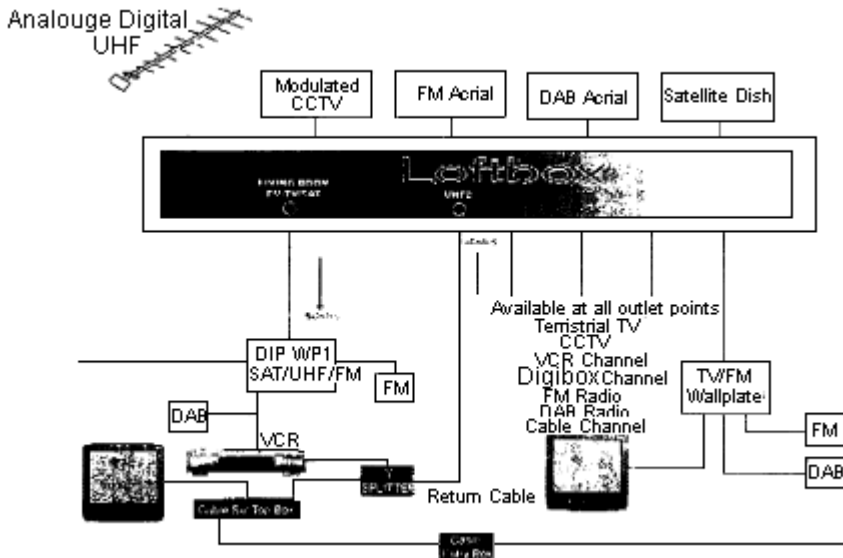
Each output from the loftbox may be routed to the required room using standard coax cable and should be terminated with a global TV/FM diplex wall plate.

Available at all outlet points, terrestrial TV, CCTV, VCR channel, sky digibox channel, FM radio, DAB radio.

# TV Link Loftbox



## Standard Installation - plus Cable Digital Network:



If these services are required:

Connect the UHF aerial coax to the F connector marked TV antenna.

Connect the modulated CCTV to the F connector marked CCTV.

Connect the FM antenna coax to the F connector marked FM antenna.

Connect the DAB antenna coax to the connector marked DAB antenna.

A suitable coax (CT100) cable should be connected to the F connector marked living room FM/TV/SAT and then run to a wall outlet plate in the main living area. The wall plate to be used may be a standard diplexing wallplate although to future proof the installation (to allow for possible satellite TV) the wall plate should be the global triplexing plate. This wall plate will then provide all UHF, DAB and FM signals to equipment within the living room.

The return UHF signal is taken via a cable UHF channel blocking filter and Y combiner and should be routed back up to the loft via a standard coaxial wall plate. The returning UHF signal is fed back into the loftbox by connection to the F connector marked UHF2 digibox.

Each distribution output from the loftbox may be routed to the required room using standard coax cable and should be terminated with a global TV/FM diplex wall plate.

Available at all outlet points, terrestrial TV, CCTV, VCR channel, cable TV channel, FM radio, DAB radio.

## Specifications:

### At Living Room Triplexing Wall Plate

	FM Antenna	DAB Antenna	CCTV	TV Antenna	SAT Antenna
Frequency range	88 to 108MHz	217 to 230MHz	460 to 860MHz	460 to 860MHz	950 to 2150MHz
Gain to living room	3dB $\pm$ 2dB	3.5dB $\pm$ 2dB	3dB	6dB $\pm$ 2dB	0dB $\pm$ 3dB
Noise figure	4dB maximum	4dB maximum	4dB maximum	4dB maximum	-
DC passing	N/A	N/A	N/A	N/A	Yes

# TV Link Loftbox



## Specifications:

### At Outlet Plates

	FM Antenna	DAB Antenna	VHF
Frequency range	88 to 108MHz	217 to 230MHz	460 to 860MHz
Gain	3dB $\pm$ 2dB	3.5dB $\pm$ 2dB	5dB $\pm$ 2dB
DC passing	N/A	N/A	Yes

### Recommended Input Signal Levels at Loftbox

	TV antenna
Level	60 to 75dBuV

Figures based on acceptable carrier/noise ratios and carrier/intermodulation interference with digital terr TV.

### Part Number Table

Description	Part Number
TV Link, Loftbox	SE00366

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