REMOTELINK™ LTE Distribution Amplifiers

A200 pro LTE series Signal Distribution Amplifiers

Fully-screened for professional results

Antiference A200 pro LTE series range of RemoteLink distribution amplifiers are designed for distributing VHF/UHF, digital and analogue, radio and TV signals in domestic applications. These models are designed to overcome the losses due to splitting of the signal and extra cable lengths needed to distribute signal to each room as well have the ability to control a SKYHD box (An ME200 Infra Red eye is required at all outlets to enable the control facility).

All models are fully screened for high immunity to interference and impulse noise and are fitted with F-connectors for reliable and professional installation.

There are five models in the range which have all been designed to make installation easy.

A120DLTE. Single input for VHF and UHF. 8dB gain with 2 outputs.
A240DLTE. Separate VHF and UHF inputs. 8dB gain with 4 outputs.
A260DLTE. Separate VHF and UHF inputs. 8dB gain with 6 outputs.
A280DLTE. Separate VHF and UHF inputs. 8dB gain with 8 outputs.
A2120DLTE. Separate VHF and UHF inputs. 8dB gain with 12 outputs
A2160DLTE Separate VHF and UHF inputs. 8dB gain with 16 outputs

This New and Improved range of IR enabled distribution amplifiers have the facility to Remote power the IR sensors as well as distribute FM DAB and UHF signals around the house.

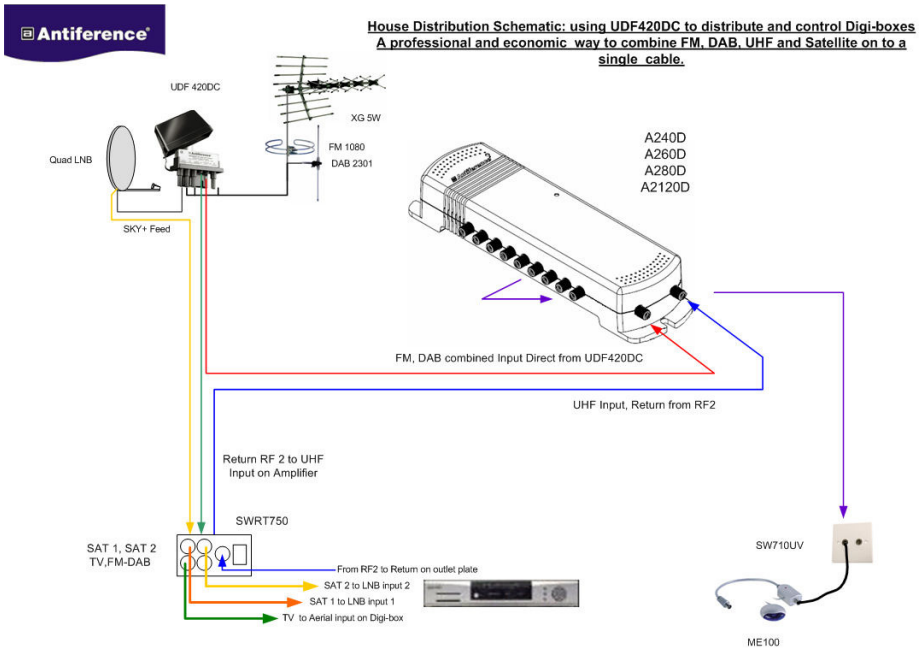
- Mains powered comes complete with fitted mains plug BS1363
- Amplifiers are available in 2, 4,6, 8 ,12 & 16 way versions
- EASYMOUNT fixings saves installation time and patience
- Powers up remote-eyes which allows remote control of the SKY™ Digi-boxes in any location
- F-type connectors ensuring a secure dc connection
- Dual Inputs to distribute FM, DAB and UHF

Installation schematic

The installation schematic shows the use of a UDF420DC which enables all signals to be combined and distributed on to a single cable. Satellite, UHF, FM and DAB signals can be triplexed out using a SWRT750 outlet plate. The return feed from RF2 on the SKYHD Digi-box becomes the UHF input on the A200 series amplifier. The unique UDF420DC has a separate designated FM-DAB output which connects directly to the VHF input on the amplifier.
In total 3 cables will be required to be installed in the main viewing area.

1) SKYHD feed
2) Combined FM, DAB, UHF and SAT 1
3) Return back up to the UHF input on the amplifier.

Don't forget to activate the RF2 9V line powering on the SKYHD service menu to activate the control facility(Refer to ME200 installation instruction leaflet).



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Fitting the amplifier

The A200 pro series of amplifiers are mains powered and are intended for indoor use only. These amplifiers are designed for continuous use. Do not locate these amplifiers where they may come into contact with moisture or sources of heat.

The A200 pro series would normally be located in a roof space but care must be taken to ensure that they are well ventilated and kept clear of any insulation material. A roof space can get extremely hot in the summer! Always ensure free ventilation and avoid covering the unit with soft furnishings when installed in a living room.

Always securely mount the amplifier on a wall or fixed board that allows easy routing of the cables. Do not allow the unit to hang on its cables as this may damage the connections or the circuit board. Do not cut off the moulded mains plug and directly wire these units to the mains supply. These units are fused at 3 amps.

Once a convenient location has been selected mount the unit with screws by the fixing lugs provided on the housing. Route all of the cables and fit the F-connectors.

Connect a VHF/FM, VHF/DAB or VHF BIII aerial to the VHF input (85-230MHz). Connect a suitable UHF TV aerial to the UHF input (470-790MHz).

Screening and accessories

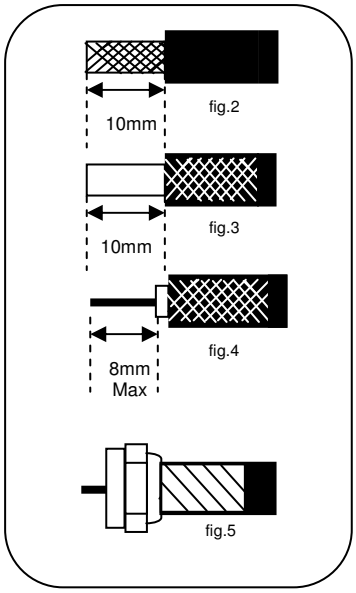
All digital installations should be installed using double screened coaxial cables and screened accessories only. Digital signal integrity and immunity to impulse noise cannot be guaranteed without adequate screening.

Antiference offer a full range of fully screened accessories. Ask your local distributor to advise you on the full Antiference range or visit our web site for further information.

We recommend using Antiference SW700 or SW710U/V fully screened outlet plates to protect the signals right to the back of the TV or digital set-top box.

Fitting F-Connectors to the cable

Fit either a professional crimped F-connector with the correct tool, or a "twist-on" F-connector following the dimensions in the diagram opposite. Strip 10mm of the plastic cable sheath to expose the screening braid (fig.2). Fold the coaxial braid back over the cable sheath neatly and evenly (fig.3). Remove any foil screening to expose the dielectric. Trim the dielectric to expose a maximum 8mm of centre conductor (fig.4). Do not allow the centre conductor to exceed 8mm as it may short inside the F-female on the amplifier. Fit the F-connector. Check that there are no whiskers of braid shorting the centre conductor.



	A120D	A240D	A260D	A280D	A2120D	A2160D
No. of Inputs	1	2	2	2	2	2
No of Outputs	2	4	6	8	12	16
Frequency Range MHz	45-790 MHz	45-230 470-790	45-230 470-790	45-230 470-790	45-230 470-790	45-230 470-790
Return Path Frequency	5-30 MHz					
Gain ± 2dB	8dB	8dB	8dB	8dB	8dB	8dB
Noise Max. dB	<3.5dB	<3.5dB	<4dB	<4dB	<5dB	<5dB
Isolation between outputs	>20dB	>20dB	>20dB	>20dB	>20dB	>20dB
Impedance	75Ω					
Max. Output dBµV	78dBµV	78dBµV	78dBµV	78dBµV	78dBµV	78dBµV
Mains Power with Red LED	230V AC ±10% 50 Hz fitted Mains Plug BS1363					

Antiference reserves the right to change or alter specifications and features without prior notice. E&OE.

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