

General Safety Precautions

To Prevent Overheating

The recommended clearances and other precautions given in this instruction section of these instructions must be observed to prevent overheating. In addition, the units should not be fixed where they are likely to become smothered by curtains or other fabrics, etc, or other thermal insulation materials in a roof space or similar building void. The unit should not be left resting on a carpet.

Other Precautions

These appliances are not waterproof. They are for indoor use only and must not be fixed where they could be exposed to dripping or splashing water. Objects containing liquids should not be placed on or near the appliance.

To prevent risk of fire, no object with a naked flame should be placed on or near the appliances or the wiring to them.

Fitted Mains Plug

These appliances are supplied with a standard fixed plug already fitted. If this is not suitable, refer to the instructions below. In the unlikely event that you need to change the fuse in this plug, a 3Amp fuse to BS1362 carrying the ASTA or BSI approved mark must be used. Always re-fit the plastic fuse carrier when replacing the fuse.

Changing the Plug

If the fitted mains plug is not suitable for the socket outlet in use, it should be cut off and an appropriate new plug fitted.

Wiring a New Plug

Any instruction supplied with the plug should be followed (these may state how much insulation to remove from the wires in the mains cord). The **Brown** wire must be connected to the **live (L)** terminal of the plug and the **Blue** wire to the **neutral (N)** terminal. Neither wire should be connected to the **earth (E)** terminal of a 3-pin plug (this appliance does not require an earth connection). Ensure that the cord grip in the plug is correctly used and clamps the sheath of the cord firmly.

Fuse Rating: If the new plug is a fused type, the fuse fitted should be rated at no more than 3 Amp.

Caution: The old plug should be destroyed promptly since it would be dangerous if plugged into the live socket.

2-Year Guarantee

Your amplifier is guaranteed against faulty components or poor workmanship for a period of two years from the date of purchase. This guarantee does not cover accidental or malicious damage (including damage from natural causes such as lightning) and will be invalidated by installation or use other than in accordance with these instructions, repair or attempted repair other than by the manufacturer, or open or removal of the case. This does affect your statutory rights.

Labgear Reserve the right to modify their designs or specifications, in the light of future developments, without prior notice. Performance figures quoted are typical and subject to normal manufacturing and service tolerances.

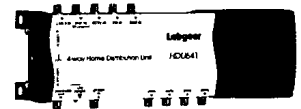
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Labgear

HDU641 4-way Home Distribution Unit

HDU681 8-way Home Distribution Unit

MDU1341 4-way Apartment Distribution Unit



Installation Instructions

Introduction

These fully screened general-purpose 4, 6 and 8 way amplifiers are ideal for distributing TV and FM DAB radio signals. Separate inputs for UHF TV (470-862 MHz) and for FM DAB. The FM DAB operating for the standard unit UK market is 88-230 MHz. Versions are also available with VHF frequency range 40-270 MHz—specify by adding suffix EIR to the product code.

The 6 and 8-way versions feature a higher gain "FULL" output. This may be used in conjunction with additional passive accessories (taps and splitters) to allow additional outputs to be fed.

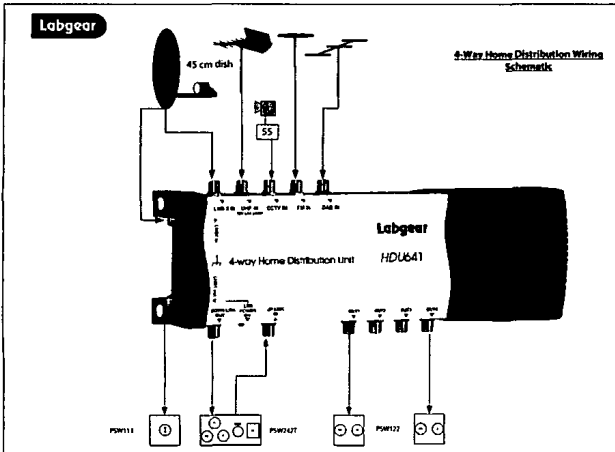
All units are suitable for handling digital terrestrial TV (DTT) signals in addition to the analogue services. Distribution of DTT signals requires careful attention to signal levels for satisfactory results.

Applications

Using the "FULL" output

The "FULL" output allows additional points to be fed without the need for another amplifier. The diagrams below and overleaf show two typical examples of how Labgear taps can be used to provide another 8 or 16 outputs. NB the taps in these examples have f-type connectors.

QU28871 26301
28872 69457



Installation

Important note: attention is drawn to the General Safety Precautions Panel on page 4 which contains advise referring to safe installation and operation of these products.

Location

Choose a location for the amplifier from which it is convenient to run cables from the antennas and to the system outlets. Typical examples of suitable locations are a loft space or a cupboard. In weak signal areas it is helpful to keep the antenna cables as short as practicable.

Select a cool, dry location to install the amplifier. This means a location where the ambient temperature will remain between -10°C and +40°C, and which is free from risk of dripping or splashing water, etc.

The fixing location should allow adequate access to the equipment for wiring and maintenance. Clearance of at least 25mm should be allowed around the top and left hand side of the unit for ventilation. More clearance will be needed

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|--------------------|---------------------|-------|---|
| Model Number | HDU641 | HD681 | MDU341 |
| Number of Outputs | 4 | 8 | 4 |
| Gain to outputs | ±7dB | dB | 8dB |
| Noise figure | 4dB | 4dB | 4dB |
| FM | 88-108 MHz | | |
| DAB | 217-230 MHz | | |
| CCTV | 470-862 MHz | | |
| UHF | 470-862 MHz | | |
| SAT 1 | 950-2300MHz | | |
| SAT 2 | 950-2300MHz | | |
| Line power | 12 V 45mA | | with auto shut down |
| Remote power | 9 V 15mA | | with auto shut down |
| Connectors | Type-f (female) | | IEC600169-24 |
| Power requirements | 230V AC 50Hz 280 mA | | Supplied and fitted Mains Plug to BS 1363 |