

AE5042/AE5044/AE5046
LTE/4G READY AERIAL
INDOOR AMPLIFIER

User Manual



CAUTION

Please read through this manual carefully before use. This product is strictly for indoor use only, please install this product in dry and cool environment and keep out of reach from children and pets.



Please do not open cover, contain high voltage. This product is not serviceable or repairable by end user. Please return to seller or professional when unit malfunction.



INTRODUCTION:

Thank you for choosing our indoor amplifier series. It is designed to amplify weak FM/DAB/TV aerial from antenna and distribute to multiple outputs, ideal for domestic or commercial use to distribute FM/DAB/TV/Sat signal to different room/area.

PRODUCT FEATURE:

- Separate dedicated inputs for VHF and UHF signal.
- Built in low noise high gain amplifier to boost weak signals from antenna.
- Built in mixer to give wide band VHF and UHF output.
- Built 4G filter to prevent interference from 4G mobile signal.
- Full max gain output to for further signal distribution installation.
- DC pass function allows installation for additional infra-red control for satellite receiver.
- Short circuit protection as well as surge and spike protection to ensure your TV/Hi-Fi is protected from lightning strike.

SPECIFICATION:

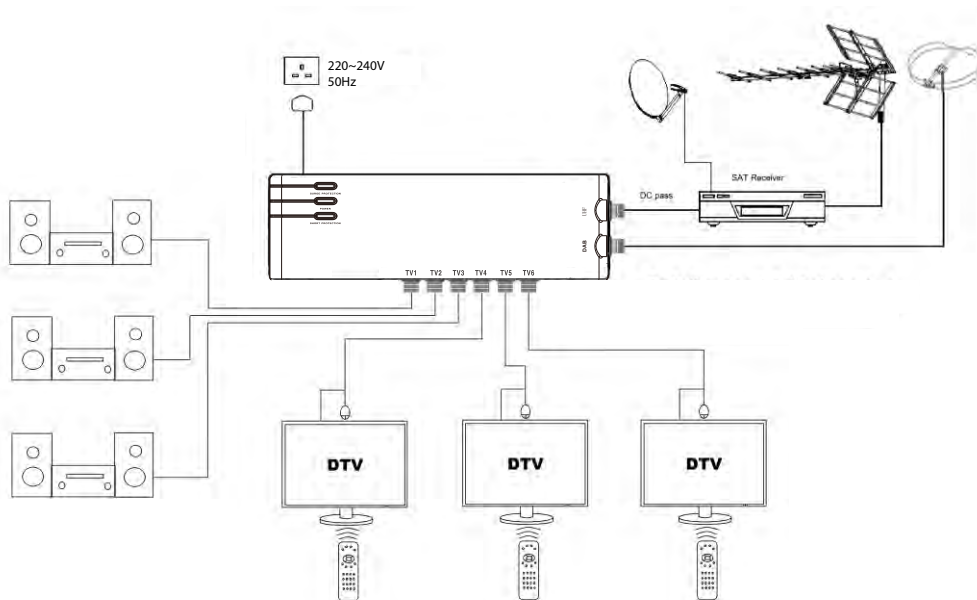
	AE5042	AE5044	AE5046
No of inputs	2	2	2
No of outputs	2	4	6
Frequency response	47-230MHz 470-790MHz	47-230MHz 470-790MHz	47-230MHz 470-790MHz
Receiving Range	VHF/UHF	VHF/UHF	VHF/UHF
Max output level	97dBµV	97dBµV	90dBµV
Gain per split	12dB	12dB	10dB
Noise	<3.8dB	<3.8dB	<3.8dB
Isolation	22dB	22dB	22dB

INSTALLATION:

Before install please ensure all devices to be connecting to the amplifier are switched off and disconnected to the mains. The unit is designed to be connected via coax connector, f type adaptors are supplied allows compatibility. At the back of the case there are two mount holes which allow unit to be mounted on the wall.

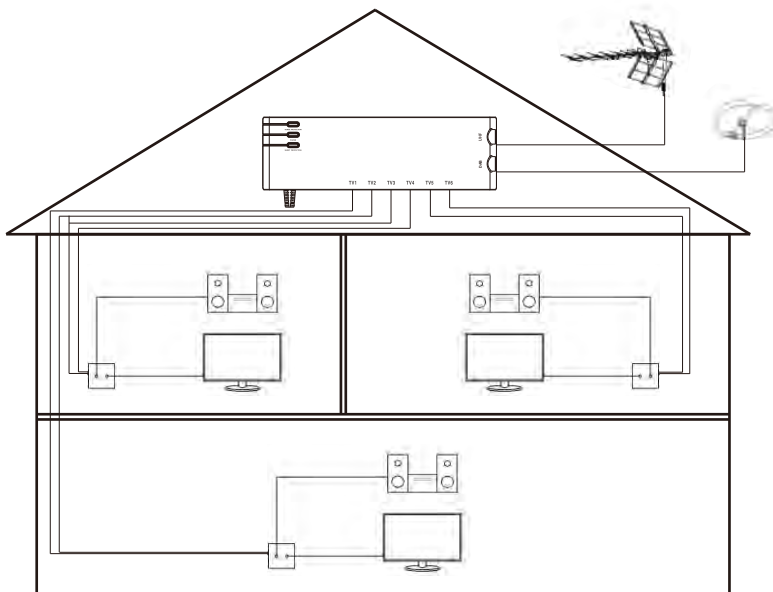
Our indoor amplifier is designed to amplify weak signal and distribute to different destination. For installation that is close to TV transmitter or any other form of radio transmitter or high power source, may experience blocking or frozen picture screen. An attenuator will require tuning down signal to suitable level for TV viewing.

Below are some of the examples for installation:



This diagram shows AE5046 receiving TV signals from the Sat receiver and FM/DAB aerial and distributes signals to 4 individual hi-fi and TV units. Indoor amplifier series is designed with DC pass function. All 3 TV units can be set up with "Magic eye" (remote extension unit) to allow remote control of Sat receiver when TV set is not at the same room as the Sat receiver. This can only be done when connect the RF2 output to the UHF input of the amplifier.

Please note: only one sat channel can be viewed at any particular time from the Sat receiver. Indoor amplifier series do not require setup to operate, for Sat receiver set up please refer to your Sat receiver manual.



It is also suitable for upgrade or replace existing UHF/VHF signal distribution unit, simply reconnect existing connector from previous unit to the Indoor amplifier. Ensure the UHF aerial is connected to the UHF input of the amplifier and FM/DAB aerial connected to the VHF input of the amplifier. For loft distribution installation please ensure the unit is kept away from moist/water.

For TVs that are not compatible with digital TV channel will require a digital set top box for TV viewing.



This product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.

*Errors and omissions excepted.
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