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Satellite Multiswitches



User Guide



Important Safety Notice

Thank you for purchasing this Antiference product. Please read the following instructions carefully, retain for future reference and read the following safety considerations:

- 1. Do not place any items on the device
- 2. Ensure no liquids are on or near the device as splashes may damage the unit
- 3. For cleaning, use a damp cloth only without solvents
- 4. Do not attempt to open the case as there is a danger of electric shock
- 5. Repairs should be carried out by a qualified technician
- 6. Place the unit in a well ventilated area to prevent overheating
- 7. Carry out the installation before connecting the device to a source of power
- 8. Use only the supplied power supply as 3rd party products may damage the product

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1. Introduction

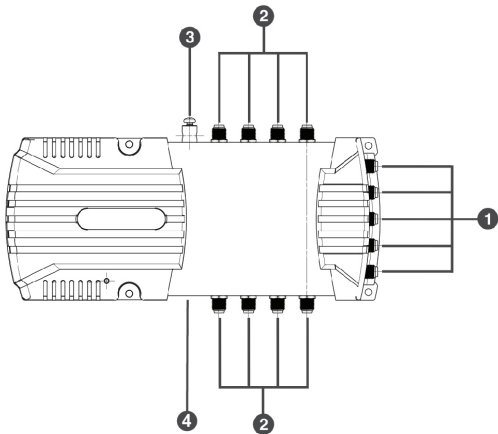
The iNex satellite multiswitches are designed to distribute satellite & terrestrial TV services for users from 8 to 24 subscribers. They are suitable for Freesat, Sky HD or Freeview. The integrated power supply enables ease of installation and the switchable 12v line powering on the terrestrial input enables the use of a pre-amplifier if required. The iNex satellite multiswitches can be fed from a quad or quattro LNB making use of the on-board tone generator.

2. Features

- Legacy satellite multiswitch range
- Quad or quattro LNB supported
- 22kHz tone generator
- LTE(4G)/LTE2(5G) filtering
- Switchable 12v line powering on terrestrial input
- 8, 12, 16 or 24 output models
- Integrated switch mode power supply
- Suitable for Sky HD, Freesat & Freeview systems

3. Operation Controls and Functions

3.1. Front Panel Description



- 1 Satellite & terrestrial inputs
- 2 Subscriber outputs
- 3 Earth point
- 4 12v line power switch

4. Installation

4.1. Introduction

Connect the multiswitch to the system using Antiference A100 approved coaxial cables and permanent F type connectors such as Antiference COMP01/02/03 compression connectors or approved crimp F type connectors.



4.2. Input & Output Connections

The iNex satellite multiswitches can be used with a quad or quattro LNB by use of the on-board 22kHz tone generator. The table below shows the correct connections for both quattro and quad LNB types.

Multiswitch		Quattro-LNB	Quad-LNB
13V / 0kHz	LNC A	Vertical Low	any
18V / 0kHz	LNC B	Horizontal Low	any
13V / 22kHz	LNC C	Vertical High	any, need 22 kHz generator
18V / 22kHz	LNC D	Horizontal High	any, need 22 kHz generator

Connect the satellite input connections correctly and the terrestrial input to the terminal marked Terr. Antenna. If a pre-amplifier is fitted and requires a 12V DC supply, this can be activated with the manual 12V DC switch located on the multiswitch. this system provides 100mA supply to power the pre-amp. If no pre-amp is fitted, this funcnction can be switched off.

Connect the subscriber output connections ensuring any unsued outputs are terminated with 75ohm terminators.

4. Installation (cont)

4.3. Safety & Earthing

The iNex satellite multiswitch must be connected to an earth point in the building via the earthing point for proper grounding. Ensure the earth point is connected correctly before powering the system up.

5. Technical Specifications

Technical Specifications					
Part number		AMS508	AMS512	AMS516	AMS524
Inputs		4 Satellite + 1 Terrestrial			
Outputs		8	12	16	24
Connections		F-type			
Frequency range	SAT	950 ~ 2150 MHz			
	Terrestrial	47 ~ 694 MHz			
Gain	SAT	3dB (±3dB)			
	Terrestrial	4dB (±2dB)			
Isolation	SAT/Terrestrial	30dB			
Isolation Cross Polarisation	H/V	25dB			
Isolation out-out	SAT	30dB			
	Terrestrial	22dB			
Return loss SAT Inputs/Outputs		10dB			
Return loss TER Inputs/Outputs		10dB			
Output level	SAT (IMD3 -35dB)	100dBμV			
	Terrestrial (IMD3 -6dB)	88dBμV		85dBμV	83dBμV
Impedance Input/Output		75BμV			
Receiver Current Consumption		100mA			
LNB Remote Current		800mA			
Mains Power Input		100 ~ 240V AC, 50/60Hz			
Max. Standby Power		3.5W			
Max Power Consumption		45W			
Switching		13V - 18V, 13V/22kHz - 18V/22kHz			
Operating Temperature		0 ~ 50°C			
Storage Temperature		-40 ~ +70°C			
Dimensions	L x W x H	256 x 133 x 56mm	295 x 133 x 56mm	336 x 133 x 56mm	410 x 133 x 56mm

6. Declaration of Conformity

We, ANTIFERENCE LIMITED herewith declare that the satellite multiswitch complies with all essential requirements and any other applicable conditions set forth on directive I 999/05/CE.

According to the WEEE (Waste Electrical and Electronic Equipment) EU Directive, do not dispose of this product as household waste or commercial waste. Waste Electrical and Electronic Equipment should be appropriately collected and recycled as required by practices established for your country. For information on recycling of this product, please contact your local authorities, your household waste disposal service or the shop where you purchased the product.



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