

MODULAR up to 16-WAY ACTIVE SATELLITE SPLITTER 950–2150 MHz



- Up to 4 modules of 4-way active splitters
- Easy to install and use
- “F” 75 Ω connector
- Very compact, n.1 19” rack unit
- Designed for CATV head-ends and broadcasting applications
- Completely compatible with analog & digital signals
- Double power supply (redundancy)
- Power supply failure
- LNB voltage short circuit alarm
- Excellent intermodulation and flatness
- Excellent isolation and matching

The “AS-944” is a professional modular active splitter operating in the SAT L-band, designed specifically to distribute both digital and analog signals, with the maximum quality and safety.

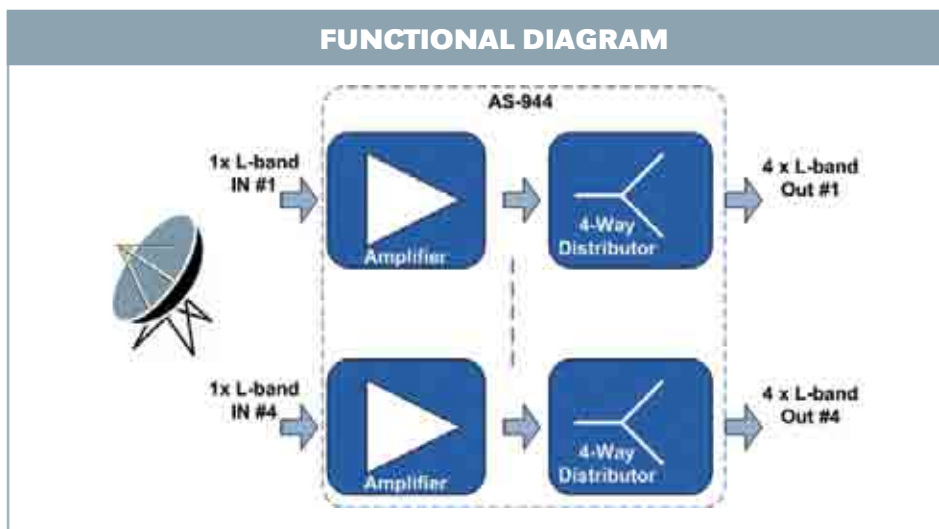
It can equip up to four splitters, each one with 1 input and 4 outputs, with an average gain in centre band of around 0 dB.

The “AS-944” can power different types of LNB.

Special attention was taken in the design stages, from both an electrical and mechanical point of view and in the choice of components to guarantee the maximum reliability in time.

All the test procedures have been methodically and technically planned to obtain the maximum repeatability and reliability; the equipment undergoes mechanical vibrations and accelerated ageing in special climatic rooms.

FUNCTIONAL DIAGRAM



MAIN APPLICATIONS

- Designed for CATV head-ends and broadcasting applications

TECHNICAL SPECIFICATIONS

RF 4-way active splitter module (max 4 modules in the frame)

Frequency range	950 – 2150 MHz
Gain	-1dB, ± 1 dB
36 MHz transponder flatness	0.5 dB typ.
Noise figure	6.5 dB ± 1 typ
Minimum input level	-60 dBm
Maximum input level	-35 dBm
Intermodulation 2 tone at -25 dBm	> -60 dB
Isolation between outputs	>26 dB (typ. 30)
Input connectors	1x "F" female per Module
Output connectors	4x "F" female per module
IN/OUT impedance	75 Ω
IN/OUT R.L.	>18 dB (typ. 20 dB)
LNB voltage	+12.5 V, +18 V, 22 KHz

ALARMS

Redundancy & Protections	N. 2 paralleled and isolated power supplies N. 2 separate mains fuses N. 4 accidental LNB voltage short circuit/overload protections
Signalling	N. 2 front panel LED's indicate that PS 'A' & PS 'B' are operating N. 4 front panel LED's indicate that Vdc is being sent to the LNB N. 2 front panel LED's indicate PS 'A' or PS 'B' failure N. 4 front panel LED indicates a short circuit/overload of the LNB voltage
Alarm signalling	a LED on the front panel lights up and the isolated contacts on the rear panel connector exchange simultaneously

PHYSICAL AND ENVIRONMENTAL

Size	N.1 19" rack unit (295 x 432 x 40 mm)
Mains voltage	2 x 230 Vac with mains filter
Weight	3.5 Kg
Operating temperature	from -40° to +60°C
Operating humidity	90%

ACCESSORIES

Mains cords	N.2
Spare fuses	in the fuse holder slit



A STEP AHEAD IN DIGITAL TELEVISION



BACK PANEL