



Multiple Active Splitters

Rover **RAS 1**

EXTENDED L-Band



For over 48 years Rover has been designing and manufacturing products for the distribution and monitoring of signals for Broadcasters, Sat Teleports & Operators, Oil & Gas, Defense & Marine.

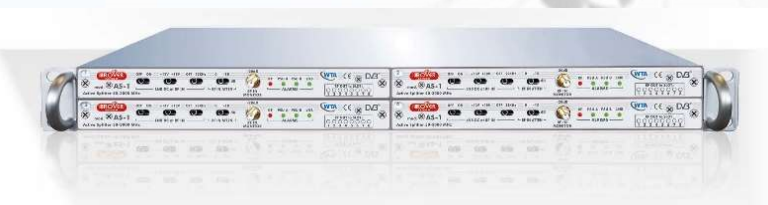
Today, according with the last market needs, we decided to renew our splitters range by creating different versions adapted to the new technology.

The RAS1 can be configured with 4 L-Band inputs with rf power sensor and up to 32 outputs, physical and LED alarms and also the optical input/output option in order to have the possibility to use our splitters in a hybrid network optical/coax.

The double redundant power supply to allow and grant a quality of service without black-outs in the network in case of line interruption or damage.

Available in various versions, this product adapts to any technical and costs need:

mod. **RAS 1**



- Freq. Range 50 to 3000Mhz
- 1 unit rack up to 4 inputs/amplifier
- Up to 32 output
- Double redundant PSU
- LED alarms
- Physical Contacts Connector for alarms

Modular & Self-configurable

The RAS 1 splitter is fully configurable by the customer thanks to the modular design.

This is very helpful for networks that need to have flexible solutions with little stock of spare parts.

An internal view will help the understanding of the design philosophy:

PLUG-IN MODULES INTERNAL VIEW



1

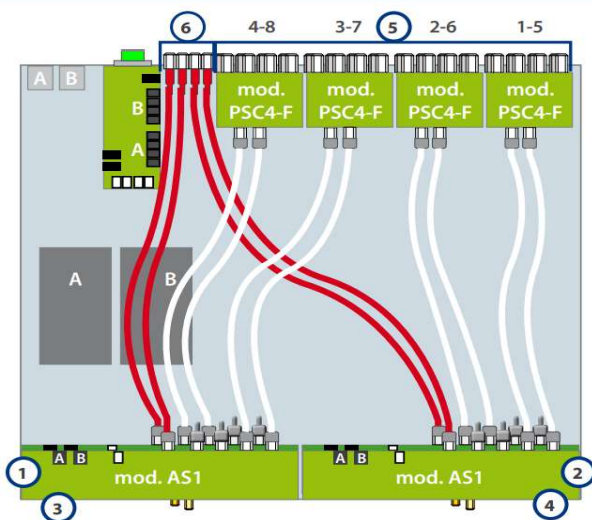
1. Up to N. 4 "AS-1" Plug-in Input Amplifier Modules



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2. Up to N. 8 SLOTS for "PSC-4" Passive Splitters/Combiner Modules

RF SPLITTER CABLING EXAMPLES (4 INPUTS & 8+8+8+8 OUTPUTS)



- 1/4. N. 4 Swappable Plug-In RF INPUT AMPLIFIER
- 5. N. 8 RF OUT Splitter/Combiner SLOTS (4 WAY each)
- 6. N. 4 RF INPUT, connected to related RF INPUT Amplifier

INTERNAL CABLING: IN/OUT coax cables

- = RF Inputs cables
- = RF Output cables



The RAS 1 is composed by 2 principal modules:



AS1 = Amplifier module with 1 input and 4 outputs, Freq. range 50-3000MHz, input rf power sensor, -20dB monitoring port, deep switch to manage the LNB power supply output (OFF/13/18V, 0/22KHz) and a deep switch to add 10 dB attenuation on the output. Maximum 4 modules per rack.



PSC 4= 4 way splitter/combiner

- Frequency range 4 – 3000 MHz
- 1 RF IN
- 4 RF OUT with DC Block
- 10 MHz Pass
- Maximum 8 PSC 4 modules per Rack

All the internal componets are available to be ordered separately:

SINGLE PARTS ORDERING CODE DEFINITION

- **mod. RAS 1 chassis:** 19" 1 U Rack chassis contains: 2 PSU, Dry Contact Alarm board (compatible also with AC1 combiner)
- **mod. AS 1:** Swappable Plug-in RF input Amplifier contain: full LNB Control, RF Input Monitor Port, RF Power Sensor, RF Input Attenuator, 10 MHz PASS, RF & PSU Alarm, 4 way Active Splitter and LED indicator and Alarms
- **mod. AC 1:** Swappable Plug-in RF input Amplifier contain: full LNB Control, RF Input Monitor Port, RF Power Sensor, RF Input Attenuator, RF & PSU Alarm, 4 way Active Splitter and LED indicator and Alarms
- **mod. CLO-AS:** Blank closure cap for front panel
- **mod. PSC4-F75:** 4 way Passive Splitter or Combiner, with "F" connector, from 4 to 3.000 MHz, 10 MHz PASS, DC BLOCK
- **mod. C2-F-MM-60:** 60 cm Interconnection Coax Cable with 2 F Male connectors (WithE marked)
- **mod. C2-F-MF-60:** 60 cm Interconnection Coax Cable with 1 F Male and 1 F Female connectors (RED marked)
- **mod. J-PSC-60:** 60 cm Interconnection jack Power Supply Cable
- **mod. W-AC-60:** 60 cm Interconnection wire for Alarms
- **mod. AOR-STC-75-RAS:** High Dinamic Range Optical Receiver with Optical AGC and 70 dBµV (- 38 dBm) Output

OEM

All modules and available Rover technology (PSU, Controllers, Optical TX and RX, RF Splitters, Demodulator boards, Monitoring Boards, ASI analyser boards and more) is accessible to satisfy any OEM enquiry for custom projects.

Contact us

Please contact us for more information & visit our website

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www.roverinstruments.com

ROVER SATCOM PRODUCTS

TCM

TRANSPONDERS CONVERTER MATRIX

250-2.350 MHz, 16 Inputs, 48 Transponders
Redundant Hot-Swap PSU, Web GUI & SNMP,
opt. Optical Out



KU-RDC SYSTEM

DUAL REDUNDANT DOWN CONVERTER SYSTEM

250-2.350 MHz, 2 Hot Swap RF modules,
RF switch protected against Power Failure,
Display, SNMP, WEB controller, Alarms & Logger



TMD

TRANSPONDERS MONITORING & DEMODULATOR

250-2.350 MHz, 8 Inputs, 24 Transponders
Redundant Hot-Swap PSU, Digital
Measurements, Web GUI & SNMP, opt. Optical Out



RLP

LIGHTNING PROTECTION

5-3.000 MHz, up to 12 Feeds



RAS-2

MANAGED WIDEBAND ACTIVE SPLITTER/COMBINER

1-4 RF In & 4-32 RF Out, 700-3.000 MHz, RF
Monitor Port & RF Power Meas., Redundant
Hot-Swap PSU, Web GUI & SNMP, opt. Optical In



LPI-10-V-F

LNB POWERING INSERTER

5-3.000 MHz, 10 times individual switchable
LNB Powering (Voltage & Tone), Redundant
Hot-Swap PSU, Dry Contact Alarms



RAL

REDUNDANT L-BAND LINE AMPLIFIER

1 To 4 Hot Swap Amplifier Module, Low
Noise, High Gain & High Power, Display,
SNMP, WEB Controller, Alarms & Logger



ROF 20-OU

RF OVER FIBER LINKS

20 Slots for Tx- or Rx-Modules,
1+1, +1, 3+1 & 4+1
Path Redundancy,
Redundant Hot-Swap PSU,
local Display, SNMP,
WEB Controller,
Alarms & Logger