



# ATS2

## Automatic Changeover



The **Automatic Transmitter Switch (ATS2)** acts as 1+1 passive reserve controller monitoring the correct operating state of a transmitting equipment, allowing to detect possible failures, and automatically replacing it with a reserve transmitter if needed.

The detection of the correct working status of the transmitters is made by DC level or by contacts.

The operational parameters of the system, such as OdB power level, intervention threshold, switching time of the transmitters, manual or automatic working mode can be configured by display and keys user interface.

The system can be remotely controlled via USB on front panel or RS485 on rear panel or parallel (with stationary or temporary contacts) connection.

TCP/IP option is available.

It is provided with audio (FM), video (analog TV) and ASI (digital TV) distributor for base-band signals to be sent to the two transmitters, and the 19kHz pilot tone coming from the exciters can be switched to an RDS encoder, if any.

The switch on and off of a transmitter is made by free contact.

**ATS2** power supply is optionally a double redundancy input with internal signalling of missing AC input. With double power supply input AC power supply output is

supplied in order to supply an AC powered coax switch from the present AC input.

The **ATS1000** and **ATS2000** models are equipped with Coax and Dummy Load for respectively 1kW and 2kW 1+1 transmitters change-over.

All **ATS2** models are available with time controlled change-over software in order to achieve a night switch to a different exciter and/or transmitter.

### Main characteristics

- Rack 19"-1U (20U for ATS1000 / ATS2000)
- Manual and Automatic switch-over
- Time switch option
- Audio (Stereo and MPX) distribution with 19kHz pilot switch for external RDS encoder
- Video and ASI distribution
- RF monitoring through DC input level or by contacts
- No calibration point
- Intervention thresholds user adjustable between -0.5dB and -6.0dB
- 2 different alarm mask time user selectable
- Calibration of power reference level (OdB)
- Alarm log
- Display for complete user interface
- LEDs on front panel for quick view of status
- Serial (USB and RS485) and parallel remote control
- TCP/IP available (Option)
- Dummy Load handling contacts
- Double redundancy Power Supply input (Option)

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## Technical characteristics

<b>AUDIO DISTRIBUTOR</b> <b>(with FM option only)</b> Input / Output Connector Input / Output Impedance Gain Frequency	DB9 Female with optional cable transition to XLR 600 Ohm or 10kOhm, jumper selectable 1 Up to MPX
<b>VIDEO DISTRIBUTOR</b> <b>(with TV option only)</b> Input / Output Connector Input / Output Impedance Gain	BNC / BNC 50 Ohm / 50 Ohm 1
<b>ASI</b> <b>(with ASI option only)</b> Input / Output Connector Input / Output Impedance	BNC / BNC 75 Ohm / 75 Ohm
<b>GENERAL</b> AC Power Supply Input AC Power Supply Output (Option) Dimensions	80 - 260VAC 50/60Hz (Double redundance input option) 500W Max Rack 19"-1U

Specifications and characteristics are subject to change without notice