



Stargate Dig Evolution

AEV BROADCAST DIGITAL MULTICODER



DSP powered

Balanced Analog Inputs

Digital AES/EBU & Optical Inputs

Radio Data System encoder

RDS decoder integrated

RDS with dynamic data management

Automatic Input switch management

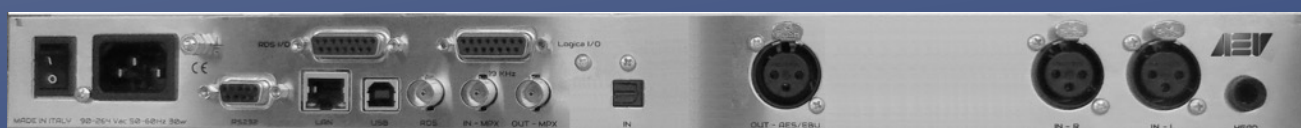
Digital Stereo Coder

Software PC control

Ethernet control

RJ45, USB & RS232

GPIO port



The new Stargate Evo multicodec is powered with the latest generation **DSP**, responds to the new operational needs of audio signal management for FM stations.

Inputs section: balanced analogue stereo input, digital AES/EBU, digital optical and also MPX and RDS signals coming from outside.

Stargate Evo has a color TFT LCD display; on the home page the levels of the inputs are displayed, the input selected as Main and the MPX output level.

Input switch management. The INPUT SETUP page determines: the priority scale of the inputs, named as MAIN, SUB1 and SUB2, the exchange activation time and the exchange intervention threshold.

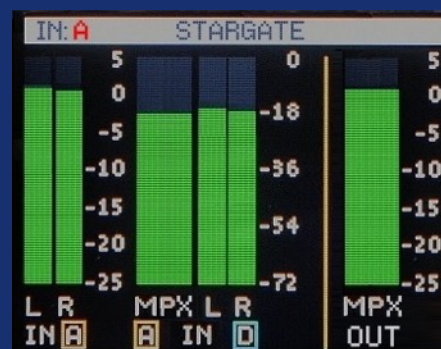
Stereo Coder with digital synthesis, with MPX signal level adjustment, 19 KHz pilot, digital clipper activation, input levels of any external RDS signal and internally generated RDS signal.

The Stargate Evo is also fully equipped with an **RDS signal decoder**; through this section it is possible to decode the data of an external RDS signal, decide which ones to keep and which to modify locally, and then regenerate the RDS data package to be supplied to the local FM transmitter. The RDS Decoder also allows the PI code contained in the external RDS signal to be monitored, if the PI code is different from the one programmed, it is possible to activate the exchange from the external MPX signal and the internally generated one.

The GPI/O port takes the status of the machine's inputs to the outside, for a simple interface with the transmitters's telemetry.

The machine can be controlled via ethernet thanks to the **internal web server**, this solution frees the user from installing PC software; in addition, the Web Server can be set as CLIENT, in case of insertion in a LAN network, or as a SERVER, if you want to directly connect a PC with an Ethernet network cable.

It is possible to activate a **password** that limits access to the machine, inhibiting the modification of the setup parameters to unauthorized personnel.



The INPUT SETUP menu displays the following settings:

INPUT MAIN:	MPX EXT
INPUT SUB1:	ANALOG
INPUT SUB2:	AES/EBU
TIME:	20 sec
THRESHOLD:	-20 dB
AN. IN IMPED:	600 Ohm
L R CONFIG:	L R ON
30 Hz FILTER	ON

Navigation buttons: ESC, SAVE

The STEREO CODER menu displays the following settings:

MODE	STEREO
PILOT LEVEL	-18.0 dB
MPX EXT MODE	EXT
COMP CLIPPER	OFF
RDS SOURCE	INT
RDS/SCA ADJ EXT	0.0 dB
RDS/SCA LEV INT	-31.0 dB

Navigation buttons: ESC, SAVE

The LAN SETTINGS menu displays the following settings:

MODE	NO SETTING
TYPE	NOT CONNECTED
IP ADDRESS	192.168.5.201
NET MASK	255.255.255.0
GATEWAY	192.168.1.1
MAC	70:B3:D5:0E:A0:05

Navigation button: ESC

The PASSWORD menu displays the following settings:

USE PASSWORD?	YES
SET PASSWORD	000000

Navigation button: ESC