AEV RABBIT

AUDIO SWITCHER

Rabbit is an audio switcher equipped with two inlets and one outlet, available in two versions, **STEREO** (Left and Right) and **MPX** (composite)
The application range for the **STEREO** model can be : in **Studio** and in **Remote** (Supervisor).

_ Use it in the **Studio** version for switching from a main stereo source (MAIN Left+Right), to a secondary source (IN Left+Right).

_ Use it in the **Supervisor** version for switching from a main stereo source (MAIN Left+Right), i.e. a satellite reception, to a secondary source (IN Left+Right), such as, for example, a network of emergency terrestrial radio links, generating eventual alarms and carrying
out emergency switchovers.
The application range for the **MPX** model can also be : in **Studio** and in **Remote** (**Supervisor**).

_ For managing a switchover from a main MPX source, such as, for example, a network (MAIN MPX) to a local splitting area (mono IN MPX or IN Left+Right with the generation of 19KHz stereo
subcarrier and RDS injection by using the signal present in the MAIN input).

_ A Supervisor use is the ideal solution to enable, in remote sites, the management of different terrestrial transmitters chains, for example between a satellite reception and a network
of terrestrial radio links, hence managing eventual alarms and carrying out emergency switchovers.
The standard available models are:

_ Rabbit Stereo Audio Switch

_ Rabbit MPX Audio Switch

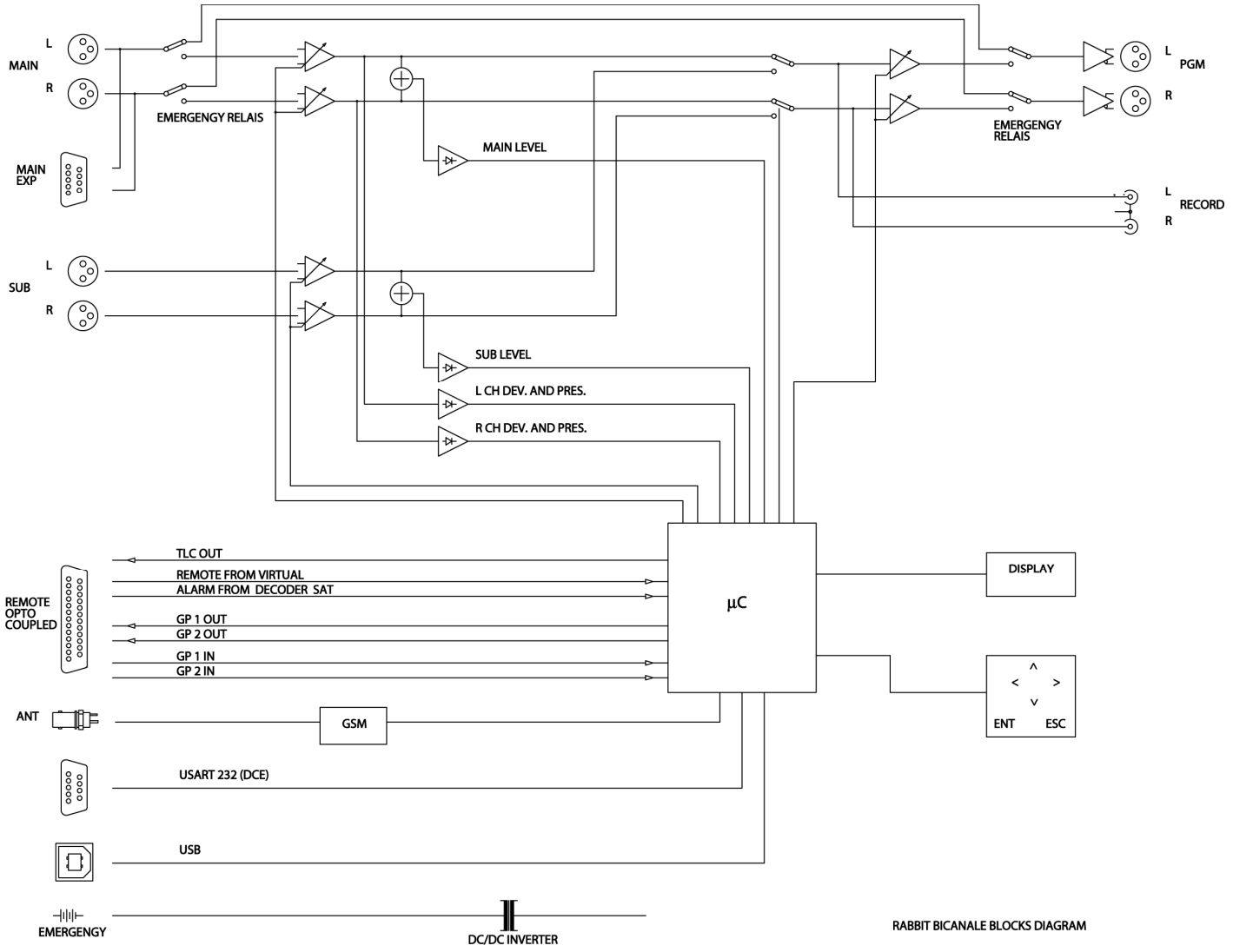
These are available in the following versions:

_ Studio

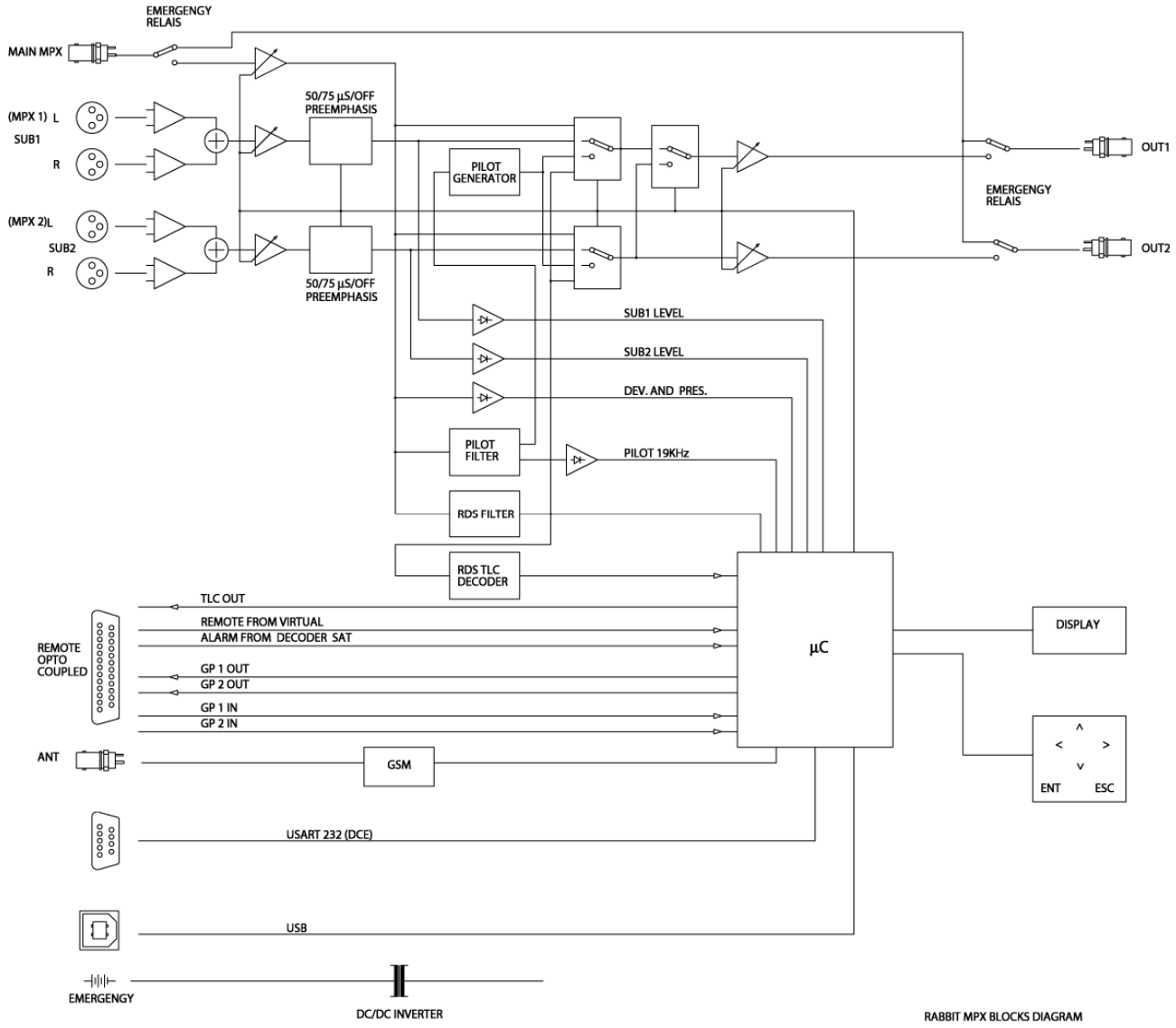
_ Supervisor

Rabbit is very easy to program, thanks to its display and keyboard located on its front panel.
Rabbit can also be programmed with an external Software via RS232 or USB.
Rabbit is equipped with a passive By-pass system (Relay) capable of directly by-passing the main input (MAIN) on the output (OUT) in the instance of an extensive malfunction of the equipment or of a power loss (when the option Back-up is not present)
Rabbit is equipped with a stereo auxiliary output, on pin connectors, to enable an eventual connection to recording apparatuses.
Rabbit can accept external controls normally off or normally on, steady or pulse. The inputs are opto-insulated and the configuration can be carried out with its panel or with a PC.

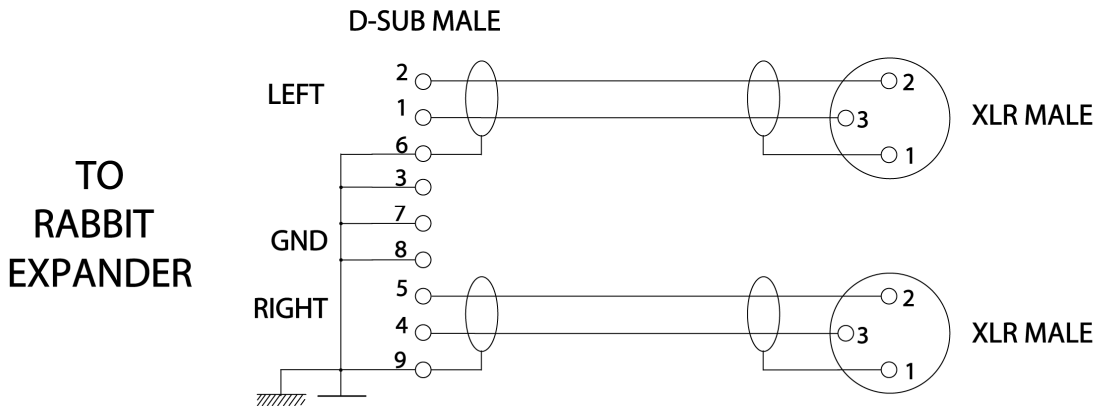
Rabbit supplies an opto-insulated output control which relays the status of the internal audio switcher. The status of the output opto-coupler can be programmed via panel or PC, it can be normally on, off, steady or pulse.

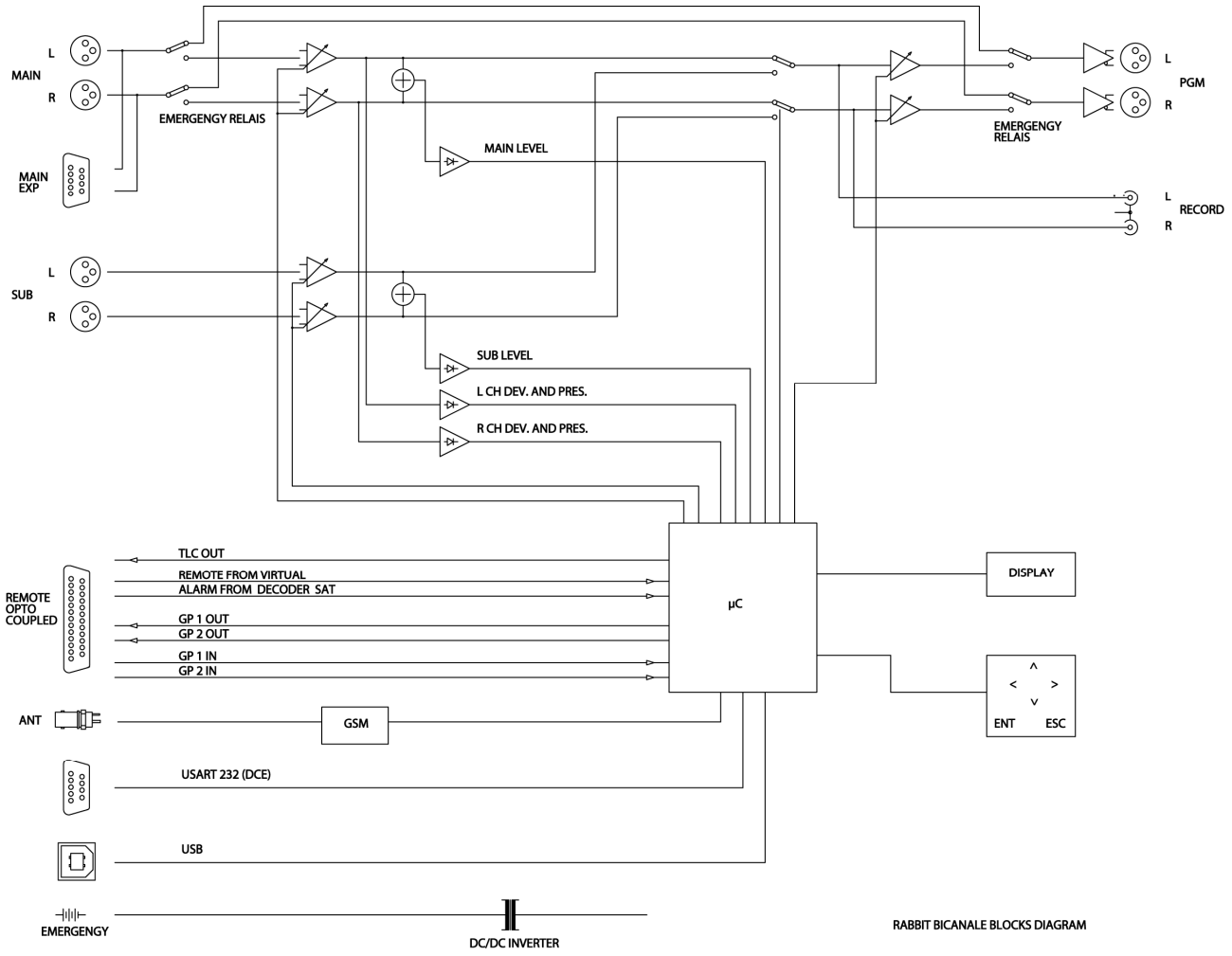


RABBIT BICANALE BLOCKS DIAGRAM



EXPANDER Connection





Technical Specification

I NPUT L/ R

Analog audio input configuration Electronically balanced Left & Right
Input level -12 ÷ +12 dBu
Input Impedance 10 K_
Common mode rejection Greater than 50 dB (30 Hz 15 KHz)
Connectors XLR Female, EMI suppressed

OUTPUT L/ R

Analog audio output configuration Electronically balanced Left & Right
Output level As Input Level in Transparent Mode,
-12 ÷ +12 dBu in Absolute Mode.
Output Impedance 100 _
Connectors XLR Male, EMI suppressed

OUTPUT L/ R REC

Analog audio output configuration Unalanced Left & Right - MPX 1/2
Output level -6 dB
Output Impedance 100 _
Connectors PIN RCA

LOGI C I NPUT

Configuration Opto-coupled (with internally 330 _ protection)
Typical Voltage input 5 Vdc (for 10 mA input)
Max Reverse Voltage 5 Vdc

Connector DSUB 25 pole female

LOGI C OUTPUT

Configuration Optic solid state relay
Max Voltage 50 Vac/dc
Max Current 100 mA
Connector DSUB 25 pole female

RS232 SERI AL I NPUT

Connector DSUB 15 pole female

USB SERIAL INPUT

Connector USB B

GSM (OPTI ON)

Standard Freq. 900/1800 (1900 on Request)
Antenna Connector SMA Female

GENERAL SPECI FI CATI ONS

Stereo Separation degradation < 1 dB
Distortion @ 1 KHz < 0.01%
Signal to noise ratio < 85 dB (CCIR)
Power requirement 90 - 264 V ~ 50 - 60 Hz
Exernal Battery (option) 18 - 24 V=
Consumption 4 W
Power supply max power 8 W
Dimension (WxHxD) 48.3 x 24 x 4.4 cm 1 rack unit
Weight 2,5 Kg. (5.5 Lbs)
Operating Temp. 0 ÷ 50° C.