



## ***Smart Studio***

Based around BSM622 the AEV's professional compact broadcast console, you will be able to connect also to the wired telephone lines, for a very professional cheap and complete radio studio. The package include professional dynamic microphones, CD/MP3 player, audio monitors, workstation with editing software, headphones and On Air Light. RDS an FM Audio Processor with MPX coder The system is totally pre-wired, No technical knowledge whatsoever is required to get the Smart Studio package up and running.

- n.1 AEV BSM622 Broadcast compact console with two telephone hybrid
- n.1 Active Audio Monitor pair
- n.1 AEV On Air Light
- n.4 Professional Studio Headphone
- n.1 Headphone amplifier 4 channels
- n.3 Broadcast dynamic microphone, cardioid.
- n.3 microphone table stand
- n.1 CD/MP3 USB player
- n.1 FM digital tuner
- n.1 Workstation + LCD19" with professional Audio card & software editing
- n.1 AEV Mirage MPX audio processor & limiter
- n.1 AEV RDS 4500
- n.1 rack 8U 19" & pre wired studio cable



### AEV Broadcast console BSM 622

#### Input:

- 5 balanced mono micro input and
- 6 stereo unbalanced line inputs
- Phono stereo input

#### Output:

- Master stereo PGM
- Master stereo UTL

#### Auxiliary:

- 2 telephone hybrid internally integrated
- Recorder stereo output
- Control Room stereo output
- Talk Back output
- Studio Return input
- Tone control on PGM output
- 2 headphone output

#### Other features:

- Led meter switchable for monitoring PGM, UTL and PFL levels
- 100 mm ALPS faders
- PRIVATE and MEETING functions
- fader start

### AEV Audio Processor MIRAGE



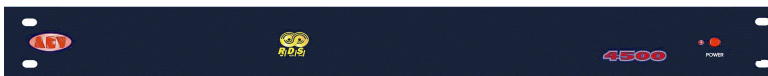
#### 3 BAND AUDIO PROCESSOR: TOTAL CONTROL OF MODULATION

Mirage FM divides the signal into 3 frequency bands and controls them separately, acting only on the band in which the peaks are present. This is performed without compromising sound density and maintaining a full and constant modulation. The adjustable functions of Mirage FM allow the audio signal to be processed and immediately adapted to the requirements of the broadcaster. In this manner Mirage FM can produce deep, powerful bass, brilliant mid-range and clean, sharp treble. The speaker's voice will be exalted and the intelligibility of phone-ins will be greatly improved.

The digital stereo encoder fitted to the Mirage FM MPX as standard, demonstrates just how advanced an audio processing system can be. Beyond guaranteeing superb stereo separation between channels, it ensures maximum levels of modulation and total control of spurious peaks generated by the low-pass filter and pre-emphasis networks present in external coders.

#### Features of MIRAGE FM

- Complete control of modulation
- Audio processed on three bands
- Adjustable parameters BASS, PRESENCE, BRILLIANCE and DENSITY
- Adjustable AGC drive and release
- Adjustable Gate Threshold
- Electronically balanced audio inputs and outputs



### AEV RDS 4500 - coder RDS

**RDS 4500**, the latest Satellite-programmable version. Radio Data System is digital information, transmission system, introduced by FM radio stations in addition to audio programs. The latest radical development of this system now allows programming of the RDS Coder via Satellite, an indispensable innovation that **AEV** has implemented with the creation of the **RDS 4500**. All the local RDS data are programmed via the transmitting satellite's (uplink) serial port. Data can be programmed separately, one by one, by connecting the serial port to the satellite receiver (down link).

- |   |                           |                                |
|---|---------------------------|--------------------------------|
| • 50 PSN                                | • 100 AF LISTE            | • 19 KHz Input available       |
| • RS 232 C                              | • DATE, HOUR and CT       | • RDS signal level adjust      |
| • RADIOTEXT                             | • TA - PTY - MS           | • Extended Country Code        |
| • Fast tuning and switching information | • Traffic Message Channel | • Program Type Name            |
| • Enhanced Other Network                | • Linkage Information     | • Language Identification Code |
| • Enabling of transmitted groups        |                           |                                |
- .Command TA - TA EON 0 - TA EON 1 - TA EON 2 - TA EON 3 - TA EON 4 - MS - RDS . OFFremote available on the rear panel via Cannon 25 pin connector



## Smart Studio configuration

