



Digital Broadcast Console Energya



ENERGYA

ENERGYA: Digital On Air Console

Energya is the highest quality digital console that radio stations have waited for. It is simply innovative, flexible, sophisticated and with an enhanced new-styling ideal for a modern broadcast studio.

Energya got all the features you need: 24 input channel, digital router and dramatic improvement in audio quality provided by an all-digital signal path. Energya offers you all the functionality expected from this ultimate console like mixing and monitoring facilities, logic controls, TCP/IP connection and serial control.

Everything is included in an amazing price. Energya has a modern low profile design and intuitive control surface that will be immediately familiar to all users. Energya is the ideal solution for the new computer based studios

INPUT

- 4 Mic transformer balanced inputs
- 4 Digital AES/EBU stereo inputs
- 16 Balanced analog stereo inputs

OUTPUT

- PGM Analog (24 Bit D/A) and Digital AES/EBU with SRC

CHANNEL FUNCTIONS

- Name assignment to each input (4 characters)
- Source Type (Mic, Line, Digital, Telco)
- Level adjustment
- Phantom Power (for Mic Input only)

- UTL Analog (24 Bit D/A) and Digital AES/EBU with SRC
- Mono Analog (24 Bit D/A)
- Telco 1 & 2 CleanFeed Analog (24 Bit D/A) and Digital AES/EBU (48 KHz No-Sync)

- Insert (for Mic Input only)
- Voice Processor (Compressor, Limiter, Expander)
- Busses assignment (PGM-UTL-Telco 1 and 2)
- Mode Selector (Left/Right/Stereo/Mono)

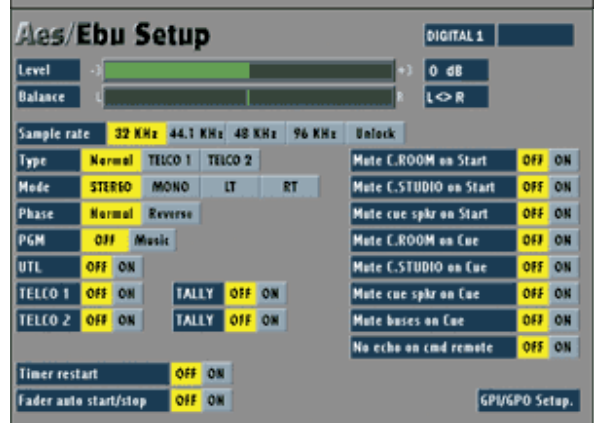
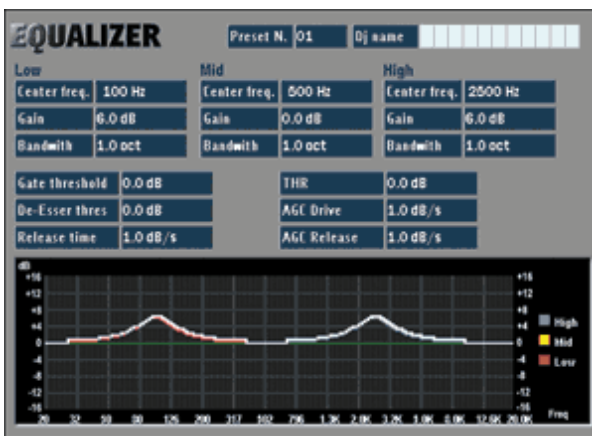
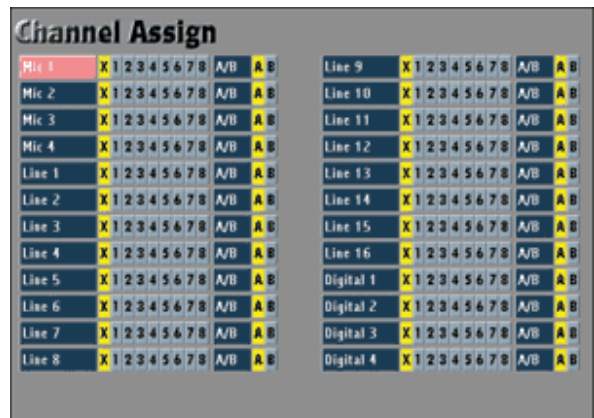
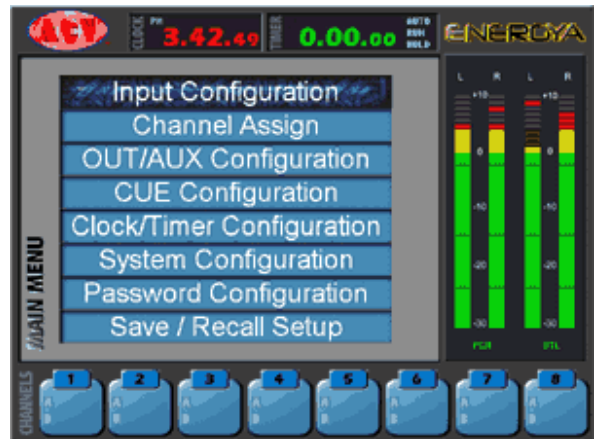
- Pan
- Balance
- Phase Reverse
- Control Room and Studio Mute
- Timer Restart
- Tally 1 and 2 Logic
- Intercom mode
- Start/Stop Control Logic

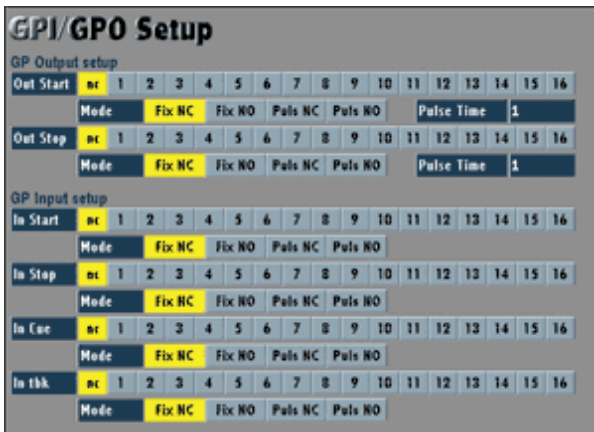
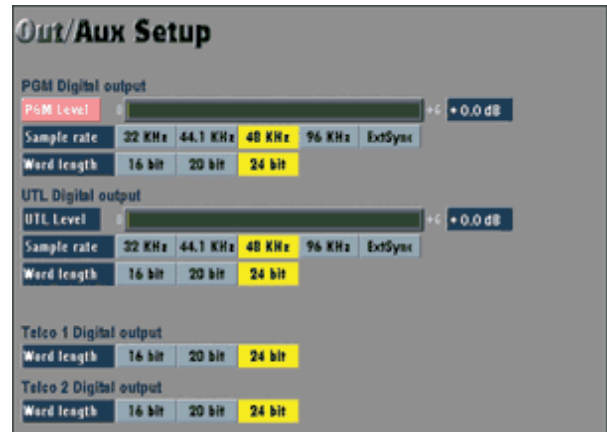
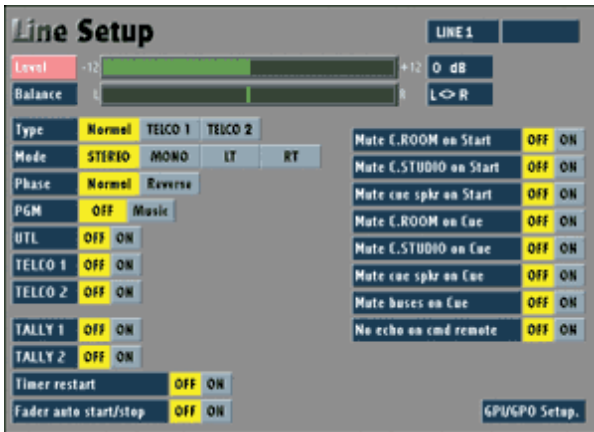
MONITORING

- Level Control of the Headphones, Control room and Studio
- CUE Speaker

Built-in CUE Speaker (with monitor selector)

- Level Meters on 8.4" Color Display
- Built-in H/P Amplifier





EXTERNAL CONTROL

- RS 232 Interface
- 16 GP inputs (optoisolated/TTL)
- 16 GP outputs (open collector/TTL)
- Studio I/O for Remote Fade

DIGITAL FEATURES

AES/EBU

- Sampling Rate 32/44,1/48/96 Khz with automatic sampling rate converter
- SRC Bypass
- Complete IEC 60958, AES3, S/PDIF, EIAJ, CP 1201 compatible
- transceiver with asynchronous sample rate converter
- 120 dB Dynamic Range
- 117 dB THD+N at 1 KHz
- 24 bit I/O words

A/D CONVERTER

- 24 Bit conversion
- 105 dB Dynamic Range
- 128x oversampling
- Linear Phase Digital Anti Aliasing Filter

D/A CONVERTER

- 24 Bit conversion (Delta-Sigma DAC)
- 128x oversampling
- 115 dB Signal to Noise Ratio