

# HALCRO Logic SSP80 surround sound processor & preamplifier

## Specifications and Features

### AUDIO

#### Connections

- 10 unbalanced analog audio inputs
- 4 coaxial digital audio inputs
- 2 optical digital audio inputs
- 1 AES/EBU digital audio input
- Assignable stereo balanced input with analog bypass
- 7.1 channel unbalanced multi-channel input with analog bypass
- 7.1 channel balanced multi-channel output
- 7.1 channel unbalanced multi-channel output
- 4 special, programmable output channels
- 2 analog recording outputs
- 1 optical digital audio output
- Tape loop (1 stereo input, 1 stereo output)
- 1 independent analog audio Zone with 1 stereo output

#### Features

- Automatic signal type recognition and decoding
- Supported formats: Dolby™ Digital, DTS™, DTS-ES (Matrix 6.1, Discrete 6.1), MPEG and PCM audio signal formats are supported
- THX Ultra2™, THX Surround EX, Dolby Pro Logic II, DTS Neo:6 and PCM 24/96 processing
- Downmixing to stereo and mono
- Auxiliary Manager for creating additional channels (channels 9 & 10 for stereo subwoofers, ceiling speakers, etc.)
- Patented High Dynamic Bass (HDB) circuitry for advanced bass management
- Autocalibration of speaker levels and distances with calibration microphone

- Adjustable Lipsync function up to 150ms
- 5 user assignable preset settings for trim controls plus 'Flat Trims' and 'No Change' options

### VIDEO

#### Connections

- 3 HDMI inputs
- 1 HDMI output
- 3 component video inputs
- 1 component video output
- 6 S-video inputs
- 2 S-video outputs w/o OSD
- 1 S-video output w/ OSD
- 6 composite video inputs
- 2 composite video outputs w/o OSD
- 1 composite video output w/ OSD
- 1 composite video output for independent zone

#### Features

- Supports HDTV, NTSC, PAL & SECAM standards
- Component Video bypass switching (up to HDTV 1080p compatible)
- HDMI bypass switching (DTV 480i/576i/480p/576p/720p/1080i compatible, PC VGA/XGA/SXGA compatible)
- DVI support (via DVI to HDMI adapter)
- Composite, S-video to component up-conversion
- Composite, S-video to HDMI conversion
- Component Video to HDMI conversion
- Component Video and HDMI OSD output

### USER INTERFACE

- 2x20 character VFD display
- On Screen Display with superimpose
- Multi-function rotary encoder
- Programmable touch screen remote control

### DIMENSIONS

- Weight: 30.9lb or 14.0kg
- Height: 7 inches or 169mm
- Width: 17 inches or 438 mm
- Depth: 16 inches or 410mm

### OTHER

- RS232 and USB connectors in front and rear panels for SW upgrades, setup and home automation support
- 2 IR inputs for external IR receivers
- 3 configurable trigger outputs

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