



The AudioSystem EWS® 64 S.

It's here! The official replacement for TerraTec's successful SoundSystem Maestro 32/96. Our development team went out of their way to produce something really special. We combined the proven features of its predecessor with those of our high end EWS®64 XL to provide you with the finest consumer sound card in the market: The AudioSystem EWS®64 S. A brief look at the EWS® compatibility list will make your multimedia heart beat faster: DirectSound hardware acceleration, DirectSound3D, General MIDI (GM and GS), as well as 100% support for all common standards such as SoundBlaster™, SoundBlaster Pro™, Adlib™ and MPU-401™. The AudioSystem EWS®64 S was deliberately designed as an ISA card to guarantee full game compatibility under DOS without the usual driver headaches. The EWS®64 S lives up to the extraordinary TerraTec requirements for a sound card: high-end audio quality, easy installation and fulfillment of the demands of professional musicians. To reach this goal we used the same powerful DSP architecture as used in the state of the art EWS®64 XL. The DSP is also responsible for the 64 voice hardware wavetable synthesis and the management of the on-board RAM. A Radio Connector allows for easy installation of a Plug and Play cable ready RDS Stereo FM Radio tuner.

TECHNICAL SPECIFICATION.

Compatible with the following standards:

- Intel™ Plug and Play
- Microsoft™ DirectSound™
- Microsoft™ DirectSound™3D
- General MIDI
- General Synthesizer
- MPU-401™ compatible
- Soundblaster™
- Soundblaster™ Pro
- Adlib™
- MPC Level III

Wavetable synthesizer:

- 2MB Sample-RAM onboard
- Expandable up to 64 MB Sample-RAM
- Up to 64 voice wavetable synthesizer (GM/GS-SoundSets ready to download)
- General MIDI
- General Synthesizer

DSP:

- Reverb and chorus effects
- 4 band EQ
- 3D sound (V-Space)
- Simulations for two and four audio channels
- Effects for all audio sources

FM synthesizer:

- 4OP+ Technology
- 20 voices, stereo

Audio features:

- 8/16-Bit converter with 5Khz-52 kHz sample rate
- Mono microphone input with preamplifier
- 2 analog stereo outputs
- 1 Digital in S/PDIF with 44,1 kHz (optical/coaxial switchable) (only with ,DigitalXtension R')
- 1 Digital out S/PDIF with 44,1 kHz, optical and coaxial (only with ,DigitalXtension R')
- Extended Full Duplex record and simultaneous playback of up to 32 channels
- 4-Bit Hardware real time de- and compression ADPCM
- 8-Bit Hardware real time de- and compression m-Law, A-Law CCITT standard
- Record and playback of all audio sources

Stereo digital / analog mixer:

- Mixing of different audio sources: microphone, CD, synthesizer, digital audio, line in and radio.

MIDI Interfaces:

- 2 MPU-401™ compatible MIDI Interfaces (UART-Mode)
- Duplex MIDI for simultaneous record and playback of up to 32 MIDI channels

Digital Game Port for Joysticks and MIDI:

- Connector for analog or digital Joysticks

System requirement:

- Windows95™
- Pentium™ or compatible processor more than 100 MHz
- 16 MB RAM
- VGA or SVGA adapter with a resolution of 800 x 600 points with 256 colors
- CD-ROM drive
- 20 MB hard disk space