COBALT

BBG-EM-AA • 3G/HD/SD Analog Audio Embedder

BlueBox™ offers excellent performance, and excels to a new level of ease of use and installation practicality. The BlueBox™ **BBG-EM-AA 3G/HD/SD Analog Audio Embedder** provides embedding from professional balanced audio at pro 24 dBu to 0 dBFS to levels using full 24-bit conversion.

Embed selection can be configured using the device DIP switches or by using an intuitive GUI application that communicates with BBG-EM-AA over a PC's USB port. The GUI app allows dynamic configuration control, status display, audio meters, tone generators, and other advanced control functions not commonly found on "throwdown" packages. When configured using the GUI app, the USB connection can be removed with all settings held in non-volatile device memory.
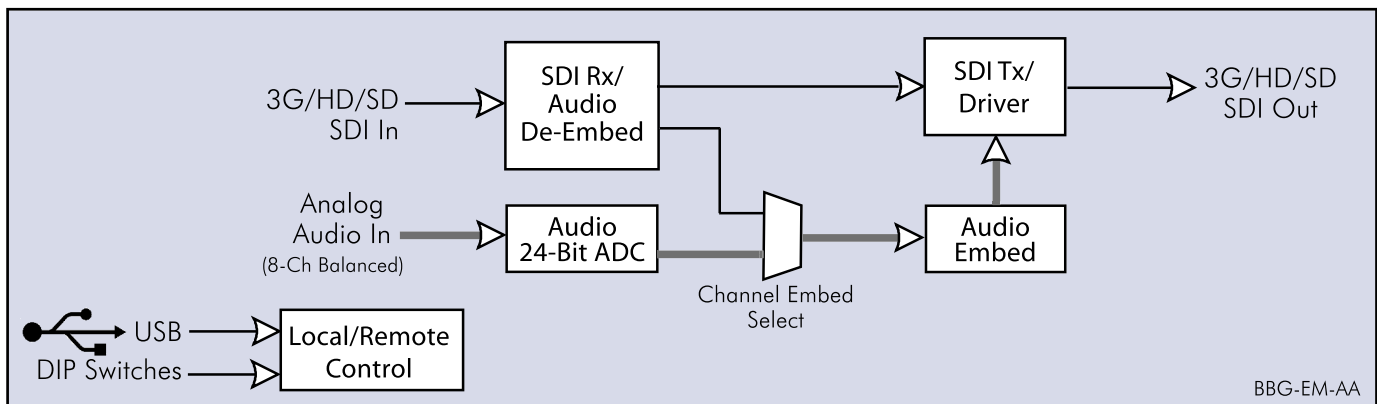
FEATURES

Eight balanced analog audio inputs with user-selectable direct embedding to groups 1 thru 4. DB-25 connector provides compact footprint. Balanced analog audio inputs can utilize direct connection to standard DB-25 connectors, or by using accessory DB-25/XLR breakout cable (available separately).

Configurable using device DIP switches or USB GUI remote control offering dynamic configuration control, status display, audio meters, tone generators, and other advanced control functions not commonly found on "throwdown" packages. USB GUI audio meters provide ready assessment of content presence and line-up.

Balanced audio embed with full 24 dBu-to-0 dBFS 24-bit conversion

Small rugged portable standalone package ideal for portable installations. Compact size and low weight design easily affixes directly to host device chassis.

Rugged construction backed with a five-year warranty

BBG-EM-AA

SPECIFICATIONS

Power
5-16 VDC, <5 W (AC adapter included)

DC Power Connector
Coaxial locking connector (for use with supplied Cobalt power adapter)

USB Port
Mini-USB (used for USB remote control connection and firmware upgrade upload to device)

Standards/Data Rates Supported
SMPTE 292M, 259M, 424M

Inputs/Outputs
3G/HD/SD-SDI In (75Ω BNC)
8-channel balanced analog audio input via DB-25 connector and XLR breakout adapter (available separately)
3G/HD/SD-SDI Out (75Ω BNC)

Audio Conversion Format
48 kHz sampling, 24-bit. Supports outputs up to 24 dBu.

Dimensions (WxHxD)
5.5" x 3" x 1" (including connector projections)
(139 x 77 x 26 mm)

ORDERING INFORMATION

BBG-EM-AA 3G/HD/SD Analog Audio Embedder (includes PS4 Power Supply AC adapter)

BBG-CA-110-XLRF DB-25 Male-to-8 XLR Female Connector Breakout Cable

BBG-MB Mounting Bracket

Note: The USB GUI application available for BBG-EM-AA is a free download (Windows Security Certified) that can be downloaded from our Support web page. Instructions for downloading and using the app are included in product documentation. The application is not required for device usage where only DIP switch configuration is desired.

Currently, this application is available for only the following operating systems:

- Windows Vista
- Windows 7
- Windows 8
- Windows 8.1
- Windows 10