

Multi-track technology for the 21st century

BLUEBOX WORKSTATION INTERFACE RECORDER

Multi-channel workstation interface with integrated live / backup recorder



24 channels – up to 24 integrated mic preamps – 24bit/96kHz quality

Based on JoeCo's award-winning BlackBox Recorder technology, the BlueBox Workstation Interface Recorder range is both a high quality multi-channel audio interface for a DAW and a stand-alone, live, multi-channel audio acquisition solution. The unit includes up to 24 high-quality microphone preamps, 24 line level outputs, 2 artist feeds for external headphones amps and 2 stereo headphone outputs all operating at up to 24bit/96kHz, with a full duplex interface to your DAW. There's also a built in 24-channel recorder offering the standard BlackBox Recorder features, all integrated into the tiny 1U housing.

In a Live environment, the BlueBox can be used as a primary recorder, with all audio files being recorded to an external USB2/3 drive as Broadcast WAV files whilst the workstation interface can feed a laptop running DAW software as a backup if required. In a Studio, roles can be reversed, with the DAW as the primary recorder using with the BlueBox as the multi-channel audio interface doubling as a backup recorder capturing every take in case of computer crashes. Low latency direct monitoring is provided in the integrated mixer.

The BlueBox features a range of connection options including individually switchable mic/line inputs, balanced outputs, artist and engineer's headphone outputs, video sync*, timecode and word clock inputs. Microphones can either be connected to the unit via tails from the rear D-Sub connectors, or via an optional 2U breakout panel with XLR connectors. Local audio is recorded direct to external USB2/3 drive in Broadcast WAV format for instant ingest into your DAW when required.

The BlueBox will run off a 12V power source if required while unused channels and features can be disabled in order to preserve battery life on location. The unit is fully controllable from the JoeCoControl on-screen app which sits alongside your workstation interface or via JoeCoRemote for iPad. JoeCoControl includes the facility to set up individual mic pre channel parameters - level, mic/line, phantom power, hi-pass filter, soft limiter and phase reverse with levels shown on high-resolution meters. JoeCoControl also gives you expert control over your master and alternate monitor outputs, talkback control and full adjustment of four independent stereo headphone mixes including panning, volume adjustment, PFL, solo and, mute.

The BlueBox's compact dimensions, high-quality mic preamps and converters make it a practical, elegant solution for a range of studio applications, as well as for live engineers needing a portable multi-channel recording option giving unprecedented access to your workstation for external summing mixer or full mixing board and multichannel record and overdub on workstation.

Features:

- 24 channel mic/line recording to workstation at 24bit/96kHz*
- 24 / 08 channels analogue output from workstation at 24bit/96kHz simultaneously*
- 24-channel simultaneous local recording or playback at 24bit/96kHz
- 24 / 08 high-quality integrated mic preamps (full 24bit/96kHz operation)*
- Microphone or Line level connection via tails from DSub connectors, or optional 2U breakout panel with XLR connectors
- Synchronisation options: timecode*, word clock, video sync*
- Remote control, monitoring and set-up via JoeCoControl computer interface or via JoeCoRemote for iPad
- Multiple connection options: switchable mic/line inputs, balanced outputs
- Records standard broadcast WAV files to an external USB2/3 drive. Captured audio material can be imported into any digital workstation for instant re-purposing. No file transfer necessary
- Simultaneous stereo mixdown during recording
- Runs off 12V power source for location use
- Safe'n'Sound Record Recovery protects files in case of power failure

JoeCo products are available from:

Technical Specifications:

Model:	BBWR24MP	BBWR08MP	BBWR24B
Inputs:	24	24	40
Mic Preamps / line ins:*	24 individually switchable	8 individually switchable / 16 line inputs	24 line inputs
Digital Inputs:	No	No	16 ADAT lightpipe inputs
Balanced Outputs:*	24	8	24
Headphone outputs:	2 stereo, 2 assignable output feeds	2 stereo, 2 assignable output feeds	2 stereo, 2 assignable output feeds
Video Sync:*	Yes	No*	No*
Timecode sync:*	Yes	No*	No*
General			
Sample rates	44.1kHz, 48kHz, 88.2kHz, 96kHz		
Bit depth	16 / 24bit		
Workstation			
Capacity	24 channels / 24 bit / 96kHz to and from DAW simultaneously		
Interface	USB2		
Latency	Typically 6.5ms round trip at 96k without plug ins; local zero latency mixer for artist foldback		
Drivers	Apple Core Audio™ Microsoft Windows™ low latency ASIO driver		
Control	JoeCoControl for on screen control or JoeCoRemote for iPad		
Recorder			
Disk interface	USB2 (compatible with USB3)		
Disk format	FAT32 - compatible with both Mac and PC		
File format	Broadcast WAV (BWA)		
External drive	USB2/3 hard drive or fast memory stick		
File type	Standard mono Broadcast WAV or multi-channel WAV		
Audio i/o			
Record/playback	Switchable microphone / line inputs on channel by channel basis		
Inputs	Gain: 0 - +60dB continuously variable;		
Mic preamps	Soft limiter: software selectable on/off; Hi-pass filter: -6dB @ 100Hz, 12dB/octave Max input level: +21dBu EIN: <-124dBu (20-22kHz) THD: <-110dBFS (20-22kHz @ -10dBFS input) Cross talk rejection > 80dB @ 20kHz ZIN: >10kOhm (single ended); >2kOhm (differential) Line level balanced outputs (+21dBu = 0dBFS)		
Outputs	Artist's stereo headphone output Engineer's stereo headphone output 2 stereo artist feeds for feeding external headphone amps THD+N E-E: < -90 dBFS (unity gain, 20 - 22kHz, unweighted)		
E-E Monitoring	Frequency response: > +/- 0.5dB, 20-40kHz @ 96kHz sampling		
Control and Synchronisation			
Audio clock	Word clock, AES/EBU or SPDIF clock, Video reference* and SMPTE linear synchronisation		
Control	JoeCoControl for on screen control; JoeCoRemote for iPad; GPI, Sony 9-pin and MIDI (MMC) for transport controls		
Physical	19" rack-mounted 1U (435x44x170mm) - >3kg Optional 19" rack-mounted 2U breakout panel (XLR) (475mm x 88mm x 35mm) 1kg		
Power	12V dc (Kycon 4-pole connector), 35W max. External universal PSU included		