Model DB8000

Silence Monitor & Backup Audio Player

The best device to fight the dreaded dead air problem is the DB8000 from Deva Broadcast Ltd. It is designed and built to be simple, flexible, reliable and easy for integration with the existing setups of any single station to a large radio networks. The basic principle of DB8000 is that this unit can detect the silence and start playback of a preliminary created play list on the built-in MP3 player.

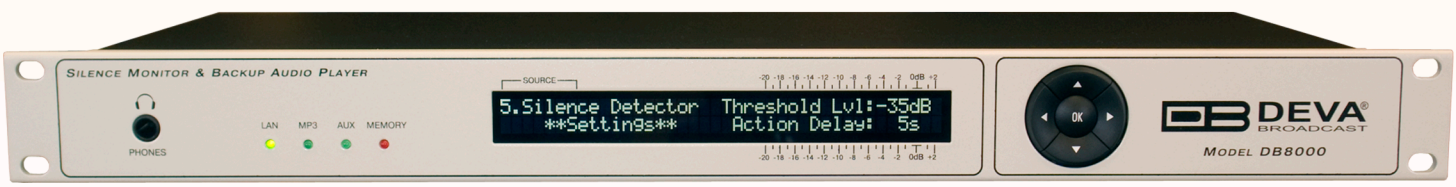
The MP3 backup audio files and play lists can be uploaded in the DB8000 from your PC using any FTP client. The audio storage capacity of DB8000 is 2 Giga Bytes.

The DB8000 provides additional security in case of loss of audio at the inputs. The audio backup is presented as an integrated auxiliary audio input for external program's backup audio source and built-in MP3 audio player. Internal bass and treble controls module allow advanced audio adjustment of the MP3 backup audio.

The unit has DTMF remote control features. Preliminary assigned up to 3 digits DTMF tone combination can change the audio source input or just to start playing from the play list of the built-in MP3 Audio Player. Trough this feature the DB8000 can be used for local content or regional advertisement spots insertion.

FEATURES:

- **Automatic changeover to backup program line on main audio loss**
- **Automatic activation of continuous backup built-in MP3 Audio player if the secondary source is not available**
- **Response time adjustable from 1 second to 255 seconds**
- **Passive through audio switching**
- **Compatible with all analog program sources**
- **Selectable Backup Audio Source Priority**
- **Continuous backup from built-in MP3 Audio Player with 2GB internal Memory**
- **Advanced Bass and treble controls for the MP3 Audio Player**
- **Built-in DTMF remote control system for source selection**
- **Capable of over 24 hours of non-repeating audio playback**
- **Professional Balanced Stereo analog inputs and outputs on XLR connectors**
- **Digital Volume Control of the Backup Sources**
- **Headphones Jack on the front panel for local monitoring of the Audio Signal**
- **Professional 19 inches, 1U aluminum rack mount chassis**
- **Wide Range Internal Power Supply 100-240VAC 50-60Hz**
- **Easy installation and operation**
- **Firmware Upgrade Enabled**



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SPECIFICATIONS

Main Audio Inputs	
Connectors	Balanced XLR-3
Input Impedance	600 Ω, Balanced with RF Filter
Normal Input circuit	passively connected to the output

Auxiliary Audio Input	
Connectors	Balanced XLR-3
Input Impedance	600 Ω
Level	2 ranges: 0 dBu or +6 dBu Jumper selectable, with software adjustments

Backup Audio MP3 Player Source	
Storage Capacity	2GB Internal Memory SD Card
File types supported	MPEG1 layer III MPEG2 layer III MPEG2.5
MP3 bit rates supported	8-320 kbps and VBR
Sample rates supported	48, 44.1, 32, 24, 22.05, 16, 12, 11.025, 8 kHz

Audio Output	
Connectors	Balanced XLR-3
Output Impedance	
Normal output circuit	Passively connected to main analog inputs
Backup output circuit	Active, Balanced 600 Ω

Silence Detector Thresholds and Switching timers	
Silence Sensitivity Range	Adj. from -40 dBu to 0 dBu
Backup Start Time	Adj. from 0sec to 255sec
Main Signal Recovery Time	Adj. from 0sec to 255sec

Audio Performances	
Frequency Response	±0.5dB, 5Hz-20kHz
Audio Separation	>90dB (typically 100dB)
Noise	Better than -90dB
Distortion	<0.5%THD
Main Signal Recovery Time	Adj. from 0sec to 255sec

Storage	
Capacity	2GB Built in Memory Card
Data formats	*.MP3; *.M3U for Playlists

User interface	
Indicators	4 LEDs and Navigation Buttons (on front panel)
Headphone output	1/4" (6.35mm) phone jack (on front panel)
Display	Superb 2x40 characters, LCD

Operating conditions	
Temperature	-15°C to 55°C
Humidity	< 95%, non-condensing
Altitude	0 to 5000m above sea level
EMC immunity	6V/m

Front Panel's Headphones Output	
Connector	Stereo, 1/4" (6.35mm) phone jack
Volume	Adjustable

TCP/IP Communication	
Type	RJ45 Ethernet 10M Base-T Port
Connector	RJ45, rear panel

Power Requirement	
Power supply	110/220 V (internal switch)
Connector	IEC320, rear panel

Size and Weight	
Dimensions (W x H x D)	19" x 1.7" x 6.9"
Weight	8 lbs

NO MORE DEAD AIR !!!
Just install your DB8000 and forget the worst nightmares ...



We never spare efforts and resources to turn our ideas into successful products.

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