

# A World of Sounds at Your Control

## QuikWave Digital Audio Repeaters



Being able to play back MP3 and WAV files directly, QuikWave digital audio repeaters offer the best possible sound quality by eliminating the need for file format conversion and/or re-sampling. The original sound quality is preserved 100% because there is no extra conversion or digitization step to introduce noises, distortions and limitations.

Depending on the particular model, sound files are stored in either EPROM chips or a CompactFlash memory card. EPROM based models offer lower costs but limited memory capacity, while CompactFlash based models offer huge memory capacity (more than 1 GB possible) at reasonable costs. CompactFlash cards of different capacity are readily available because they are widely used in digital cameras.

QuikWave audio repeaters are totally self contained. Sound files can be triggered instantly with push buttons, relay closures, motion sensors, PLCs and etc. The audio output can drive speakers directly or be amplified externally. Some models offer additional relay outputs for doing simple animations. Thanks to their intelligent on-board controllers, QuikWave systems can be easily customized to function differently. Please contact us for your specific requirements.

### Features

- CD or near CD sound quality
- Stand alone operation
- Supports WAV and/or MP3 file format
- All models are mono output except the DM3038A (mono and stereo)
- Activation with push buttons, relay closures, motion sensors, PLCs and etc.
- Use EPROM or CompactFlash card for storage - no battery backup needed
- Versatile parallel trigger modes - Direct, Binary, Sequential and Round-robin
- Serial interface available on most models
- Built-in power amplifier with volume control

### Applications

- Exhibits, displays and attractions
- PA annunciators and repeaters
- Gaming, vending and amusement equipment
- Industrial controls

### Options

- EPROM chips or CompactFlash cards
- Power supplies
- Enclosures
- Speakers
- Motion Sensors
- Push Buttons





## Selection Guide

Model Number	File Format	Bit Depth	Max. Total Recording Time	Parallel Trigger Inputs	Serial Control	Memory Type	Supply Voltage	Output Power
<b>DM2204A</b>	Mono WAV	8	3 minutes @11KHz	4	None	EPROM	6 or 9-12VDC	1W
	Provides AM radio sound quality in a compact size. Least expensive model for applications with short, fixed messages.							
<b>EM2218C</b>	Mono WAV	8	> 1 hour	8	RS-232	Compact Flash	6 or 9-12VDC	1W
	Provides AM radio sound quality in a compact size. Flash card based design makes it easy to change messages in the field.							
<b>EMV2218E</b>	Mono WAV	8	> 1 hour	8 / 13	None	Compact Flash	12-40VDC	2.5W
	Provides AM radio sound quality. Designed specifically for the elevator announcer application.							
<b>EM3028B</b>	Mono WAV	16	> 1 hour	8	RS-232 RS-485	Compact Flash	10-32VDC	40W
	A cost effective solution with true (not near) CD sound quality. Supports the powerful Script Mode operation.							
<b>EM3028B-R</b>	Mono WAV	16	> 1 hour	8	RS-232 RS-485	Compact Flash	10-32VDC	40W
	Provides the same functions as EM3028B but adds an 8-output relay section capable of doing simple animations.							
<b>EM3038A</b>	Stereo/MP3 WAV	16	> 1 hour	8	RS-232 RS-485	Compact Flash	10-32VDC	10W × 2
	Plays both MP3 and WAV files with true (not near) CD sound quality. Supports the powerful Script Mode operation.							
<b>EM3038A-R</b>	Stereo/MP3 WAV	16	> 1 hour	8	RS-232 RS-485	Compact Flash	10-32VDC	10W × 2
	Provides the same functions as EM3038A but adds an 8-output relay section capable of doing simple animations.							

### Notes

- \* **DM2204A** requires the QuikWave32 program (free download via website) for sound file management and an EPROM programmer for chip programming.
- \* All other models require a CompactFlash reader for flash card programming.
- \* Maximum number of sounds varies in different operation modes:  
 Direct Mode - one sound per trigger input - up to 8 sounds for most models  
 Binary Mode - one sound per binary code - up to 128 sounds for most models  
 Sequential Mode - up to 99 sounds per trigger input for most models

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