

Technomad Schedulon™

Audio player-recorder with scheduling capability and advanced networking



1GB USB storage (expandable)

Rackmountable - 1U Height

Standalone unit- no PC needed for unattended audio playback

No risk of PC hardware or hard drive failure or virus infection

No moving parts

Can be managed and triggered via network connection

Highly configurable

Can be linked to network time server

Direct recording function

The Technomad **Schedulon™** combines two critical audio functions in a compact package: virtually unlimited recording / on-demand playback AND scheduling of sounds for automatic, unattended playback. The Schedulon can be used for 'on-the-fly' playback of pre-recorded announcements or sound effects from the instant access knob, but also used for scheduled playback of sound files.

Instant playback: you can assign audio files to any of ninety-nine playback 'slots' on the knob - and set a playback mode (loop, once, or play-while-hold) for each slot. This allows warning announcements or sirens to loop indefinitely, songs to play one time and stop, and sound effects to be performed via holding in the knob for as long as the sound is desired.

Scheduled playback: up to 100 lines of automatic playback can be scheduled, specifying the sound file, time to start, time to stop, interval (i.e. every 5 minutes), and number of repeats. You can set sounds to play on specific dates, specific days of the week, weekends, or weekdays. It is simple to build complex schedules of announcements, bells or carillon sounds, SFX, etc. Scheduled sounds are interrupted if a front-knob (i.e. emergency evacuation) sound is selected, but resume playback after front-knob-selected playback stops.

Management: the Schedulon can be remotely managed via web-browser(audio uploaded or deleted, schedule edited, sounds triggered, knob assignments changed), or completely programmed using only the knob and screen. No special software or computer type is required - just a modern browser. Sound playback can be triggered or stopped by simple HTML CGI commands if desired.

Recording: the Schedulon can record audio via its stereo input - audio is encoded as 192 kbps MP3, and can be automatically assigned to any knob-slot for instant access. Recorded audio can also be scheduled.

Technomad
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Technomad Schedulon™

Audio Specifications

Playback:

MP3 format audio, 32kbps to 320kbps
Stereo or Mono
Fixed or Variable Bit Rate
(coming soon: uncompressed 16-bit 44, 1 stereo WAV playback)

Recording:

MP3 format audio, 192kbps, fixed bit rate, stereo

Physical Specifications

	W	H	D
Dimensions:	19"	1.75"	10"
Weight:	4 lbs.		
Data input:	RJ45 Ethernet jack		
Audio input:	2x RCA, barrier strip		
Audio output:	2x RCA, barrier strip		
Mounting:	Rackmount, 19" standard		



Architectural and Engineering Specifications

The device shall be an audio player-recorder, with internal removable USB flash 'thumb-drive' storage of 1GB capability or larger. The user shall be able to assign sounds to any of 99 positions on a rotary/push knob, with multi-line backlit LCD screen displaying sound choice and play mode. Each of the 99 positions shall have an individually-assigned play mode, choices being Loop, Once, or Push.

Device shall have an integral Real Time Clock, and shall be capable of scheduling automatic playback of sounds, with a schedule of up to 100 lines of detail. Each line of detail shall specify sound to be played, start time, stop time, play interval, and number of repetitions, along with date sound is to be played. Date to be played shall allow specific dates, or specific days of the week (i.e. Mondays, Tuesdays...) or Weekends or Weekdays.

Device shall be fully programmable using integral knob and screen, AND shall be programmable via any standard web browser via Ethernet connection. No specific operating system or software shall be required to configure the device. The unit shall be able to synchronize to a network time server

If so chosen by the user. Scheduled sounds shall be interruptible by the user if a front-knob sound played - and scheduled playback shall resume at next even automatically. Device must be triggerable via HTML/CGI commands, and sound playback must also be stoppable in the same way.

Device shall be capable of recording stereo line-level audio directly to 192kbps format MP3, and shall be capable of playing any MP3 format audio up to 320kbps stereo VBR. Unit shall be a 1 rackspace unit. Device shall be the Technomad Schedulon™.