

Schedulon™

V5.0

Automatic Audio Player and Recorder with on-demand and scheduled playback



Standalone unit with 32GB of storage- no PC needed for unattended audio playback

WAV, MP3, FLAAC, OGG format compatible

Playlist and audio file playback

New, faster processor

Remote triggering and management

Network time server sync option

Direct recording function

Optional Contact Closure Module (8 in/out)

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.

Playlist creation / management: the Schedulon allows you to easily create 'playlists' of audio files, which can be assigned to a schedule event or to a knob for playback – so you can trigger a playlist of audio files (music, sound effects, announcements etc) to play from a single button push or schedule event. You can choose to play the playlist songs in the order they appear in the playlist, or to shuffle them randomly each time the playlist is triggered. Simple drag-and-drop web UI for playlist management.

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. **New!** with Schedulon 5.0, it is now possible to program using sunrise and sunset based on GPS coordinates.

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 WAV or OGG, and can be automatically assigned to any knob-slot for instant access. Recorded audio can also be scheduled.

New - Schedulon V5.0 features OLED display and more powerful processor for quicker file upload and UI functionality.

Specifications

Audio Specifications

Playback:	WAV, MP3, OGG, FLAC
Recording	WAV, OGG

Physical Specifications

Size	19" W x 1.75" H x 10" D standard 1U rack-mount size
Weight	6 lbs
Data input	Ethernet jack - 10/100 RJ45
Audio Input	2x RCA (unbalanced)
Audio Output	2x RCA (unbalanced, -10 dBu) 1x 6 pin Euroblock (balanced, +4 dBu)
Power	120-240VAC



Architectural and Engineering Specifications

The device shall be an audio player-recorder, with internal removable SD card storage of 32GB 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 OLED 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. 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 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 and shall be capable of playing WAV, OGG, FLAAC MP3 format audio up to 320kbps stereo VBR. Unit shall be a 1 rackspace unit.

Device shall be the Technomad Schedulon™.

Technomad
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