

## VOX400 - Quick Start Guide



The VOX400 is a voice annunciator and MP3 player with built in amplifier and speaker. It can be triggered by using hard-wired alarm inputs or via RS485 commands from other electronic equipment such as a computer or a DVR / NVR.

The MK4 also has a new LAN Trigger feature which means MP3 files can be triggered on a local network, via a additional software, see the full manual for more information.



[www.systemq.com/PDF/manual/xVOX400.pdf](http://www.systemq.com/PDF/manual/xVOX400.pdf)

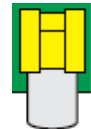
## Powering the VoiceOFF

Power the VOX400 from 12V DC (via the input voltage terminals) on the PCB. The current consumption is 200mA maximum. A power supply is not provided.



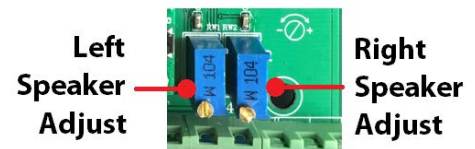
## Line input Connection

The line input audio is connected to the yellow audio input phono (RCA) connector on the PCB. The line input can be taken from an audio device or DVR via a audio phono (RCA) lead.



## Volume Control

Use a small precision screwdriver to carefully adjust the pots. It is a multi-turn pot (20 turns from minimum to maximum) this means that in order to make a noticeable change the screw will need to be turned multiple revolutions. When you receive the VoiceOFF unit, the volume levels will have already been adjusted to a mid way point to suit most applications.



**Increase - Turn clockwise**  
**Decrease - Turn anti-clockwise**

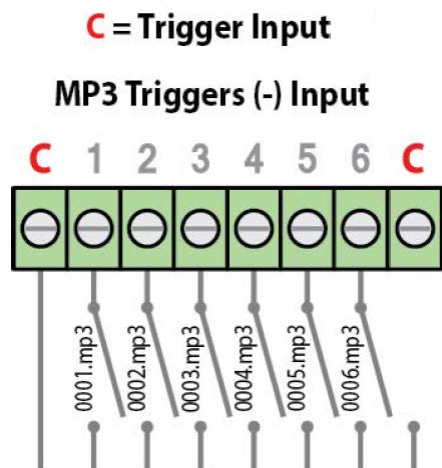
## Triggering the Pre-recorded messages

The VoiceOFF will play a message depending on which alarm input is triggered and by how the MP3 files are named.

For example, when alarm input 1 is triggered, the VoiceOFF looks for an MP3 file that been named 0001.mp3.

See overleaf for the Pre-recorded message table.

Note that the MP3 file will only play a file once, it will not play in a loop even if triggered for a longer period. The length of the recorded file will dictate the run time.



## Pre-recorded Messages

| File Name | Description / Text  |
|-----------|---|
| 0001.mp3  | Warning message - "You have been detected in an unauthorised area, please leave the area or the police will be called, CCTV is recording."                          |
| 0002.mp3  | Warning message - "This is a restricted area and trespassing is forbidden, you have been caught on CCTV and your images will be saved as evidence against you."     |
| 0003.mp3  | Warning message - "Warning! Intruder Detected! CCTV System Recording."  |
| 0004.mp3  | Welcome message - "Welcome, this area has time limits on parking. Please observe the restrictions printed on the warning signs to prevent penalties being imposed." |
| 0005.mp3  | Welcome message - "Welcome, please help yourself to the self service coffee and someone will attend to you shortly."  |
| 0006.mp3  | Police siren in the distance  |

## Recording Custom Messages - Overview

- The VOX400 will only play back audio files that are MP3.
- Format the SD Card to FAT32.
- The files must be in a folder on the SD Card called "SYSQ".
- See the table above for file naming convention.
- Remove the power before inserting / removing the SD card.
- The maximum card size is 32Gb.

## Specification

|                          |   |
|--------------------------|---|
| Operating Voltage        | 12V DC  |
| Recommended Power Supply | POW803 12V DC 1.5A  |
| Current Consumption      | 55mA standby<br>200mA max volume<br>(depending on volume)               |
| Alarm Inputs             | 6 internally triggered  |
| RS2485                   | Terminals   |
| Case                     | Ivory ABS   |
| IP Rating                | IP65  |
| Mounting                 | Wall  |
| Speaker                  | 8W 8ohms  |
| Usage                    | Internal or External  |
| Dimensions               | 227mm x 187mm x 69mm  |
| Memory                   | MicroSD Card 32Mb, 64Mb, 128Mb, 265Mb, 512Mb, 1Gb, 4Gb, 8Gb, 16Gb, 32Gb |
| Audio Format             | MP3   |
| Voltage Noise            | <50Mv   |
| Signal to Noise Ratio    | <86dB   |
| Audio Decoder            | DAC 24bit/s stereo,<br>196KHz   |
| Network (RJ45)           | RJ45 Socket   |

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