

# 365 days a year, every hour, of every day

**It Deters, Welcomes, Informs and Warns**

*never off sick... never late... never sleeps... never needs a pay rise.*



## **DETER**

Realistic sound of a police car in the distance... indistinguishable from the real thing.



## **WELCOME**

"Welcome to our garden centre!"



## **INFORM**

"This is a hard hat area!"



## **WARN**

"Warning intruder detected!"



Tiny investment in technology - Saves a fortune in wages!

**Low Cost & Easy to Use**

### **Inside:**

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- p3: PCB diagram
- p4: Play pre-recorded messages
- p5: Play live messages
- p6: FAQs
- p7: How to trigger it
- p8: Message database
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# VoiceOFF™ Can Help Your Business!

## DETER

VoiceOff is a great tool to deter unwanted visitors in vulnerable areas that are prone to vandalism.



PIRs can be used to trigger a warning sound.

*Scare Intruders!*

Trigger a pre-recorded sound file of a very faint police car siren in the distance to scare off unwelcome visits when an intruder is detected by an alarm input such as a break beam detector or PIR.

## WELCOME



"Welcome to Groves Garden Centre, our in-store offers today are..."

A door contact can also be used to trigger a voice recording.

The VoiceOff can use 20 separate alarm inputs to trigger 20 messages so why not use it to welcome visitors to your premises and promote your business?

## WARN



PIRs can be used to trigger a warning sound.

"Warning! Intruder detected, CCTV system recording."

Use a PIR or break beam to trigger a warning message when an intruder is detected. Voice warning messages can be downloaded or even recorded yourself.

## INFORM



PIRs can be used to trigger a warning sound.

"You have just entered an area where hard hats must be worn for health and safety."

Use the VoiceOff to give information, especially in areas where health and safety is paramount. Use a PIR at an entrance to a construction site to inform workers of the possible risks in the area.

# 2 Products in 1!

Twice  
the  
Value!

It's really 2 products in 1 because of its 2 distinct features.

1

## Alarm-Activated Audio Warning Device

**Feature 1** is its ability to playback pre-recorded MP3 sound files through its built in amplifier and speaker. These sound files can be recorded and customised by the end-user for maximum flexibility.

2

## Talkback Amplifier

**Feature 2** is the audio amplifier. The VoiceOff can be used as an internal or external loudspeaker, to allow the operator to convey a message to visitors or even crowds in proximity to the VoiceOff speaker.

## Schematic - what's under the lid

**VoiceOFF**  
com

Micro SD card needs to be formatted FAT 32

All MP3 files need to be stored on the Micro SD card in a folder called SYSQ



Name your files 0001.mp3, 0002.mp3 etc.

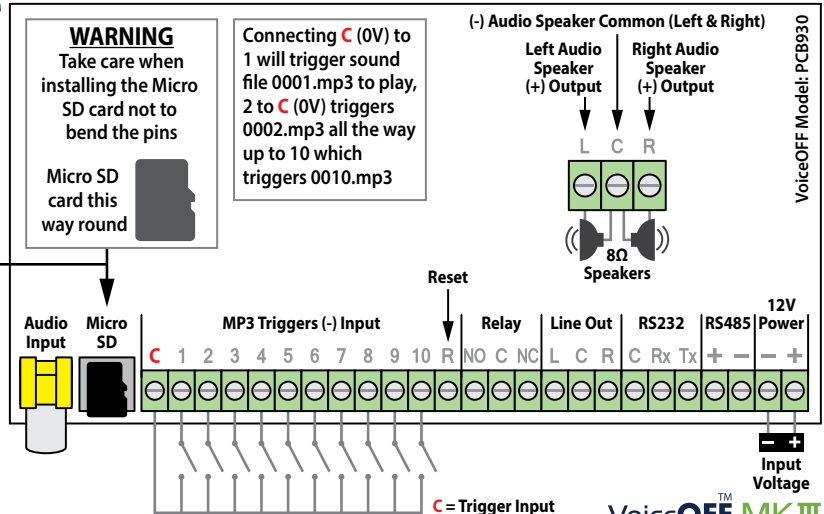
### WARNING

Take care when installing the Micro SD card not to bend the pins

Micro SD card this way round



Connecting C (0V) to 1 will trigger sound file 0001.mp3 to play, 2 to C (0V) triggers 0002.mp3 all the way up to 10 which triggers 0010.mp3



# Play pre-recorded audio files

## Feature 1 - How the VoiceOff can be used to playback pre-recorded audio files

The VoiceOff can store and play up to 20 audio files via its hard wired alarm inputs or 9999 audio files if you use RS232 commands from another device like the Alien DVR.

To playback an audio file, the VoiceOff is triggered by connecting one of its alarm inputs to a ground. **It really is that easy to use the VoiceOff!**

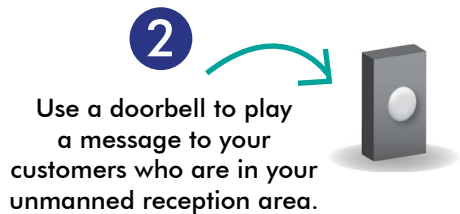
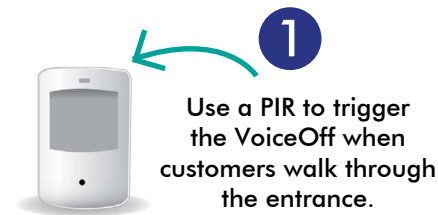
For example, to trigger audio file 0001.mp3, alarm input number 1 is simply connected to a ground (select from one of the grounds

marked as A, B or C) similarly to play audio file 0002.mp3, alarm input 2 is connected to a ground and so on.

Each audio file is stored in the industry standard MP3 format. The VoiceOff is really easy to use and because the sound files are stored on removable media, it does not have the limitations of other products where files are stored on built in flash memory. This means that you can record, edit and store sound files at your own convenience.

The MP3 audio file can be any audio file you wish to play. It could be a voice recording of a welcome greeting or warning message. It could even be a dog barking or a police car in the distance!

## Ideas and Examples



# VoiceOFF™ Can TALKBACK



## Feature 2 - Using the audio amplifier and loudspeaker

In addition to playing back pre-recorded files, the VoiceOff also features an audio input and built-in amplifier making it great for use as a loudspeaker. It has an industry standard phono socket which instantly plays any audio being inputted to the device. This could be from a DVR as part of a CCTV system or a simple microphone.

Certain DVR models (such as the alien range) have remote monitoring software bundled with them. This allows a person who is located remotely to the DVR, to talk into a microphone connected to their computer and the speech they say comes out of the DVR's audio output connector and into a VoiceOff.

The VoiceOff has intelligence built in too! For example, if it is playing back a sound file from the built in SD card such as in-store promotions, if the shop wants to announce it is closing in 5 minutes, it can announce the message using a microphone connected to the audio input of the VoiceOff. The pre-corded file is immediately interrupted as soon as the VoiceOff realises that audio is present on the phono input.

Similarly, in a security application, the VoiceOff would start to play a pre-recorded warning message whenever it is triggered by a PIR detector that detects an intruder. If the person using CCTV to remotely monitor this site, wanted to talk back to the area, the VoiceOff switches off the warning MP3 file and plays the operator's live message as soon as it detects audio coming from the DVR.

# VoiceOff™ FAQ

## Is it possible to adjust the volume control on the VoiceOff?

**Yes**, the VoiceOff has a factory default setting mid way in its volume capabilities but this can be adjusted by the engineer on installation to suit your application. If you're using the VoiceOff to deter intruders at a remote location, you may want the volume at its maximum but for use inside a business you may prefer a lower setting.

## Can the VoiceOff unit be fitted outside?

**Yes**, the VoiceOff unit is housed in an attractive ABS case, which is weatherproof to IP65 so it can be installed outdoors or indoors.

## Can the output range of the VoiceOff be extended?

**Yes**, the VoiceOff can use up to 4 slave speakers (Part code: VOX120) to extend the range in which its messages can be heard.

## How is the VoiceOff unit powered?

**The unit requires a regulated 12V DC power supply at 200mA per hour.** This can be from a 12V DC power supply (Recommended part code: POW803) or even from a suitable battery. Full specification available on page 22.

## How many sound files can be used by the VoiceOff unit?

**The VoiceOff can trigger up to 9999 recordings or sound files.** It uses up to 20 recordings that are triggered and correspond with the unit's 20 alarm inputs; the remainder can be triggered using the unit's on-board RS232 interface. More details opposite.

## Can extra files be downloaded for the VoiceOff unit?

**Yes**, the VoiceOff is supplied out the box with a range of free messages that you may wish to use but a wide range of additional voice messages and sounds can be downloaded for a small fee from the Voice-Off website at: [www.voiceoff.com](http://www.voiceoff.com)

## Can I record my own files for the VoiceOff unit?

**Yes**, this is as easy as recording your own MP3 file and saving it using the correct file name. Detailed information on how to do this is available in the VoiceOff installation manual and on the SUPPORT pages of the website: [www.voiceoff.com](http://www.voiceoff.com)

## What happens when more than one alarm is triggered in quick succession?

**As a deliberate feature, the VoiceOff has been designed to play out its original message until it reaches the end of it.** It's so that if you are using a VoiceOff unit to warn away intruders and a message is played when a PIR detects the intruder you want the message to play out completely even if the PIR is re-triggered by movement again.

This feature can be overridden so it allows live audio through the Talkback function to play instead of a pre-recorded message. Details of how to do this override are outlined in the product manual at [www.voiceoff.com](http://www.voiceoff.com)

# 2 Ways to Trigger the VoiceOFF™

## 1 Alarm Inputs



- **PIR** – detects an approaching visitor to a property and plays a suitable message or perhaps even a barking dog



- **Door contact** – plays a message as a customer opens the door and enters your premises



- **Break Beam Detector** – detect a vehicle or person entering through a gateway and plays a suitable message to them



- **Push button** – allows a CCTV operator to play a message when something suspicious has been seen on camera



- **Wirefree relay device such as a keyfob** – allows a user to trigger a voice or sound message if someone is approaching an area or property



- **Panic button or burglar alarm** – use the VoiceOff in addition to a bellbox and ask passers by to call the police or another number

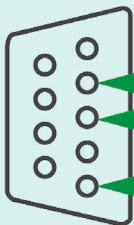


- **Video Motion Detection or other Alarm output from a DVR** – allows the alarm inputs on a digital recording device to automatically play a message back when movement is detected

## 2 RS232 - You control the sounds!

Connect the RS232 interface in the VoiceOff to a DVR, PC or other third party equipment (i.e. door entry system) and you can command the VoiceOff to play certain files, any number of times, indefinitely or stop them on command.

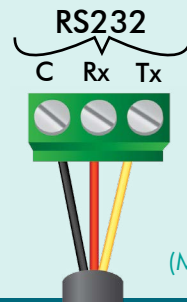
Using a Null modem cable, connect the following pins (2, 3 & 5) to the RS232 terminal connection on the VoiceOff PCB.



Pin 2: VoiceOff Tx

Pin 3: VoiceOff Rx

Pin 5: VoiceOff C



Full instructions can be found at:  
[www.voiceoff.com](http://www.voiceoff.com)

(More on p27)



# VoiceOFF™ has an Extensive Choice of Messages

*Pick a message or sound that fits your need!*



**Professional  
voiceover artist  
recordings**



**Computerised  
system messages**



**Pre-recorded  
sounds**



**Background  
music**

*Choose from our wide range of categories:*



*Let us know what you want and we'll record it especially for you!*



Send us a transcript of your exact message requirements and tell us your voice preference- young, old, male, female etc.

Don't forget to tell us any sounds or music you might want adding in!

Try our **free**  
messages today  
at:

**[www.voiceoff.com](http://www.voiceoff.com)**

*We'll even create a bespoke message just for your property or organisation!*



# VoiceOFF™ Uses & Examples

## VoiceOff applications are limited only by your imagination!



VoiceOff™ is an alarm-activated voice and sound warning module that can store up to 9999 sound files on a removable SD card. 10 can be directly triggered by one of 10 separate alarm inputs. The others can be triggered by RS232 data from other devices.

The VoiceOff even boasts a live “talkback” feature so a remote operator can talk live to a site to warn or deter an intruder or even welcome a visitor. [\(More on p5\)](#)

## The VoiceOff is a single box solution featuring:

- Powerful 10 Watt loudspeaker
- 10 alarm Inputs
- Removable SD card for easy file management
- RS232 allows PC or DVR communication to play up to 9999 sounds
- Audio Line Input for live voice announcements (Talkback)
- All housed in an IP65 weatherproof rated enclosure.

Examples follow

# Use the VoiceOff to Warn Off Potential Intruders or Vandals

**WARN**



**“Warning! The police have been alerted and are on their way!”**

## Other messages available to download include:

**“This is private property, please leave the area immediately.”**

**“Warning! 24 hour CCTV in operation.”**



**No Trespassing** - to deter intruders & opportunistic thieves away from remote properties.



**CCTV in Operation** - to help comply with the Data Protection Act and to let visitors know CCTV is in operation.

# Use the VoiceOff to Deter Unwelcome Visitors

**DETER**



**Never needs feeding!  
Never sleeps!  
No vet bills!**

**BARK!, WOOF!,  
GROWL!**

**Other messages available to download include:**

**"Thank you for using this service, please be aware video surveillance is in operation."**



### **Buses -**

deter passengers from causing trouble with a message saying they are on CCTV.

**"Static security is operating in this area."**



### **Security Guards -**

let trespassers think that you have a guard on site to deter them away.



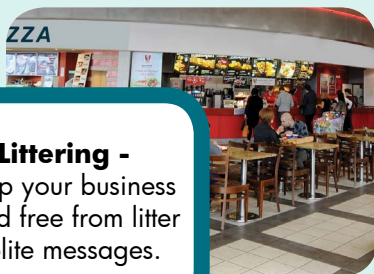
# Use the VoiceOff to Inform Customers of Store Information



**“This establishment is now closing and will re-open at 9am.”**

## Other messages available to download include:

**“Thank you for using the bins provided.”**



**No Littering -**  
help keep your business clean and free from litter with polite messages.

**“Please advance to cashier 1.”**



**Tills -**  
use the VoiceOff to manage customer flow at checkouts.

# Use the VoiceOff to Welcome Customers to Your Business

WELCOME



**"Hello and welcome to our establishment."**

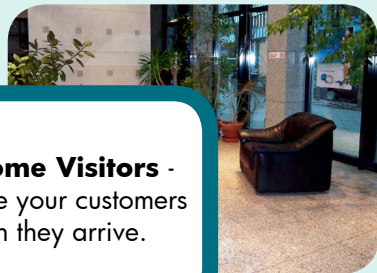
## Other messages available to download include:

**"Please help yourself to our free product samples located around the store."**



**Promotions -** spread the word about product promotions or free samples to increase sales!

**"Please wait, someone will be with you shortly."**



**Welcome Visitors -** welcome your customers when they arrive.

**WARN**

# Use the VoiceOff to Warn of a Fire.



**“Please evacuate the building, a fire has been detected!”**

## Other messages available to download include:

**“This is a fire exit, please keep clear.”**



### **Fire Exits -**

helps keep customers informed of fire exits in case of an emergency.

**“Smoke detected, please leave by the nearest fire exit.”**



### **Evacuation Warnings -**

get customers out of the building in a fire without risking their safety.



# Use the VoiceOff to Inform of Health & Safety Aspects

INFORM



**“Please take care,  
heavy machinery in  
operation ahead.”**

## Other messages available to download include:

**“Attention! No admittance!  
Authorised personnel only.”**

**“Thank you for not smoking  
on these premises.”**

**No Admittance -**  
inform people of  
areas that are  
forbidden to enter.



**No Smoking -**  
inform customers that  
smoking is not allowed.





# Use the VoiceOff to Inform Customers of your Services



**“Free Wi-Fi available in all our executive lounges.”**

## Other messages available to download include:

**“Attention! Thieves will be prosecuted.”**



**Thieves will be Prosecuted -**  
help to deter potential thieves from shoplifting.

**“Please follow the signs to the designated smoking area.”**



**Smoking Areas -**  
inform customers of designated smoking areas.

# Use the VoiceOff to Play Music when Triggered

WELCOME



**Other situations for music include:**

**Telephone System -**  
we have a great range of telephone messages to greet your callers.



**Toilets -**  
provide background music that's triggered with movement to save money on electricity.



**WARN**

# Use the VoiceOff to Warn of No Parking Areas.



**"You are parked in a prohibited area! Please remove your vehicle or risk being towed away!"**

## Other messages available to download include:

**"Security notice! Please remove all valuables and lock your vehicle when leaving."**



### **Keep Valuables Safe -**

remind your customers to keep valuables out of sight to prevent theft.

**"Please remember to pay for your parking before you exit."**



### **Ticket Machine Info -**

give helpful reminders or information about paying for customers parking tickets.



# Use the VoiceOff for Automated Messages

INFORM



**“Alarm system now setting.”**

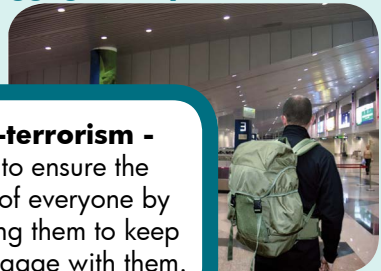
## Other messages available to download include:

**“Gate is opening, please take care.”**



**Automated Gates -**  
inform people of automatic gates to keep them safe and aware.

**“Warning. For security purposes please keep all baggage with you at all times.”**



**Anti-terrorism -**  
help to ensure the safety of everyone by informing them to keep their luggage with them.

# Up to 9999 Sounds can be Triggered by the VoiceOFF™

Visit [www.voiceoff.com](http://www.voiceoff.com) for the complete range

## Popular Categories

- Health & Safety
- Smoking Regulations
- Transportation
- Mobile Phone Protocol
- Public Sector Buildings
- Public Areas
- Telephone/Answer Machine Messages
- Promotional Messages

## Bespoke For You

If you are unable to see the exact message, don't worry, we can create one for you.

We have a range of professional voice over artists at our disposal to get the exact results you require.



## Sounds

From sirens to footsteps we have sounds for your business at night or your home when you're away.

## Freebies

Try our sounds and messages with no commitment! Free messages, sounds and informative VoiceOff messages available.

## You can even record your own files!



It's quite easy to record your own audio for the **VoiceOff** unit. You just need an audio recording device and a computer. The **VoiceOff** only plays back audio files that are stored in the industry standard MP3 format, so you need to either record your messages or sound in this format or convert them to it. (More on p23)

# Specification

**VoiceOFF**<sup>TM</sup>  
COM

Micro SD card needs to be formatted FAT 32

All MP3 files need to be stored on the Micro SD card in a folder called SYSQ



Name your files 0001.mp3, 0002.mp3 etc.

**WARNING**  
Take care when installing the Micro SD card not to bend the pins

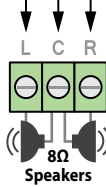
Micro SD card this way round



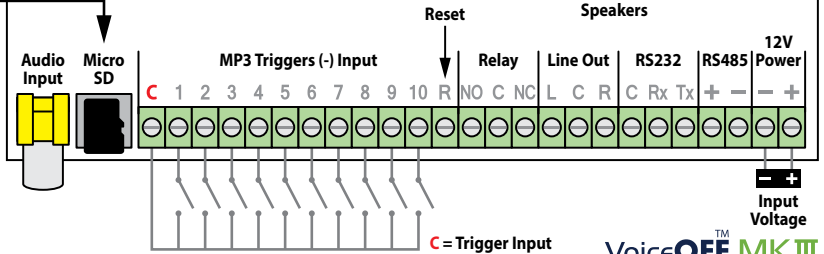
Connecting C (0V) to 1 will trigger sound file 0001.mp3 to play, 2 to C (0V) triggers 0002.mp3 all the way up to 10 which triggers 0010.mp3

(-) Audio Speaker Common (Left & Right)

Left Audio Speaker (+) Output  
Right Audio Speaker (+) Output



VoiceOFF Model: PCB930



**VoiceOFF**<sup>TM</sup> MK III

## Easy to Use

Download full installations instructions at:  
[www.VoiceOFF.com](http://www.VoiceOFF.com)

**Superb Flexibility!**

**VoiceOFF**<sup>TM</sup>  
COM

Order Code:  
**VOX300**

## Specification:

Operating Voltage	12V DC
Recommended Power Supply	POW803 12V DC 1.5A
Current Consumption	120mA Standby, 200mA max (depending on volume)
Alarm Inputs	10 internally triggered or 9999 using RS232 interface
Case	Ivory ABS
IP Rating	IP65
Mounting	Wall Mounted
Speaker	8W 8Ω
Usage	Internal or External
Dimensions	234 x 188 x 85mm
Memory	SD or SDHC card 32Mb - 32Gb Supported
Formats Available	MP3
Voltage Noise	≤ 50mV
Signal to Noise Ratio	≤ 86dB
Audio Decoder	DAC 24bit/s stereo, 196KHz

# Manual



**10** alarm inputs trigger

**10** user recordable warnings!

**New** RS485 Input can trigger up to 9999 sounds!!

**New** built-in relay triggers when sound plays to activate floodlight etc.



Warning sounds or voices stored on a micro SD card inside the unit in MP3 format.

## VOX300

With a powerful built in 10W amp & speaker, and IP65 case you can use the VOX300 in a lot of different applications.

It can be triggered by using hard-wired alarm inputs or even via RS232 commands from other electronic equipment such as a computer or Digital Recorder (DVR).

The VoiceOff is a new and innovative product. You can use it to playback a wide variety of sound files ranging from messages welcoming guests or even

warning off intruders. You can even have informative messages such as telling visitors to a building site to "please wear a hard hat at all times" - complying with health and safety is a big thing these days and the VoiceOff makes it even easier to comply! (Note - useful pre-recorded messages are available to download at the VoiceOff website for a small fee).

Alternatively you can store and play music using the VoiceOff as a digital media player for indoor or outdoor use. All the sound files are stored in the VoiceOff on a removable Micro SD card, so it's really easy to do quality recordings away from site in a suitable recording location.



## Recording Your Own Files

It's quite easy to record your own audio for the VoiceOff unit. You just need an audio recording device and a computer.

The VoiceOff only plays back audio files that are stored in the industry standard MP3 format, so you need to either record your messages or sound in this format or convert them to it.

Once you have recorded your messages or sounds you need to copy them to a Micro SD card that is then inserted into the VoiceOff unit. The audio files need to be stored on the Micro SD card in a certain way and the files need to be saved with names that allow the VoiceOff unit to know which MP3 file to play depending on which alarm input is triggered.

Inside the lid of the VoiceOff unit you will find a simple diagram, which is displayed in the wiring schematic a few pages along. This will help you see what needs to be done.

Please Note - When you buy your VoiceOff unit, it already comes with a pre-recorded Micro SD card formatted and ready to go.

We recommend when you are playing about with new sound files you use a Micro SD card other than the free one provided with the VoiceOff, so you always have a fallback solution.

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## Using Your Own Micro SD Card

### 1 *This involves Formatting the Micro SD card*

To format your new Micro SD card to the FAT32 system, first insert the Micro SD card into an SD Adaptor (supplied) and please place the card in a computer running the Windows Operating System. If your computer does not have an SD card reader you will need to obtain one. These do not cost a lot and are typically used to read multimedia cards from digital cameras.

Using your computer mouse, navigate to the Micro SD card using 'My Computer' or 'Computer' and right click on it. Select the 'Format' option from the pop-up menu that appears, then select the FAT32 entry from the options presented in the drop list under 'File System'. Now start the formatting process. *NB: The SD card must not be write protected.*

# Set Up

## 2 *This involves creating a folder on the Micro SD card to store the MP3 files in*

Once the Micro SD card is formatted, you need to create a folder on it to store the MP3 files that you wish to play. The VoiceOff has been pre-programmed to look for a folder on the card called **"SYSQ"**. You must create this folder on the Micro SD card if it does not already exist.

## 3 *Rename your audio files*

The VoiceOff decides which MP3 file to play for each alarm input by how the MP3 files are named. For example, when alarm input 1 is triggered, the VoiceOff looks for an MP3 file that has been named 0001.mp3. It looks for this file in the folder called **"SYSQ"**. Similarly if alarm input 2 is triggered, the VoiceOff looks for an MP3 file named 0002.mp3 and so on.

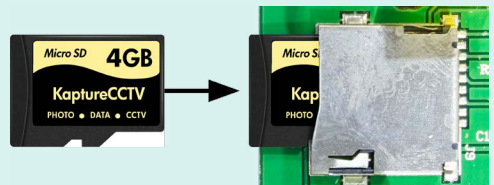
Please now name your audio files 0001.mp3, 0002.mp3 all the way up to 9999.mp3 if you wish you put on the maximum number of 9999 MP3 files triggered on the VoiceOff.

## 4 *Copy your MP3 files to the Micro SD card*

Once you have renamed your MP3 files correctly, you can copy them to the folder named **"SYSQ"** on your card using your computer.

## 5 *Insert the Micro SD card into the VoiceOff*

With your audio files done, renamed and copied to your Micro SD card, you need to insert it into the VoiceOff unit. The method of inserting is similar to the diagram shown right. Please look at this diagram on the lid to see how this is done and which way up the card needs to be when inserted into its holder. Please take great care when doing this as it is a delicate PCB and all electronic assemblies need handling with care. If you a little heavy handed, please get someone with more nimble fingers to do this.



# Set Up

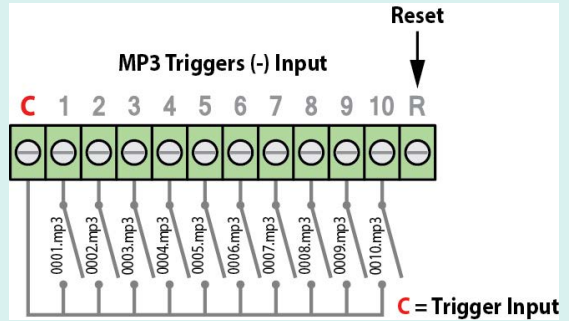
## 6 Ready to play the files

With the card now correctly inserted back into the VoiceOff unit, you can re-apply the power and trigger the sounds. A terminal strip displays the following:

On the VoiceOff PCB, alarm inputs 1-10

If you wish to replace the messages recorded on the free Micro SD card provided with the VoiceOff unit just make your own sound files and rename them so they overwrite the corresponding files on the card.

You can make your own sounds and record your own messages or alternatively you can download both free and paid for versions from the VoiceOff website. On the website you can also upload text and pay to have this converted to a message by a professional voice over artist. Please go to [www.voiceoff.com](http://www.voiceoff.com) for details and pricing.



## Installation Instructions

- 1 The VoiceOff unit can be installed either internally or externally using 4 screw locations, one on each corner of the unit.
- 2 A free Micro SD card is provided with the unit containing professionally recorded voice messages and sounds.

You can record or download your own files onto a Micro SD card for use in the unit but the card must be formatted to the FAT32 file system. It should also be no larger than 32GB in size. Additional voice and sound files for use can also be downloaded from the website: [www.voiceoff.com](http://www.voiceoff.com)

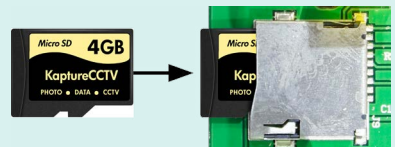
# Set Up

<i>File Name</i>	<i>Description/Text</i>
0001.mp3	Warning message - "You have been detected in an unauthorised area, please leave the area or the police will be called."
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
0007.mp3	Sample of background music
0008.mp3	Introduction to the VoiceOff unit
0009.mp3	Tips & Tricks
0010.mp3	How to record voice files

**3** Each MP3 file must be created in a folder called **'SYSQ'** and the file must be called <nnnn> <description>.mp3 where <nnnn> = 0001 ~ 9999 <description> = recording title. Note: <description> is not mandatory but useful for identifying recordings. Note that file numbers greater than 10 are only triggered using an RS232 interface.

For example:     the first file could be called             0001siren.mp3  
                  the second file for example            0002welcome.mp3  
                  the third file for example             0003dogbarking.mp3

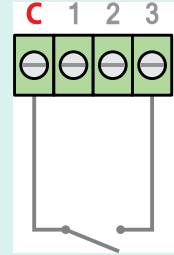
**4** The Micro SD card is fitted as shown in the diagram:



**5** The internal SD reader is located on the lower edge of the PCB and must be entered the correct way as shown above.

# Set Up

- 6** Now connect the alarm connections, one of which must be to "C" (GND/Ground) and the relevant alarm connection, which triggers the required alarm recording. For example, you have a dog barking on 0003.dogbarking.mp3 that you require triggering when a PIR detects something, so connect the PIR to GND ("C") and connector 3.



- 7** Note that the MP3 file will only run once on being triggered. It will not play in a loop even though an alarm may continue for a much longer period. If you require the VoiceOff alarm to continue, then the length of the recorded file will dictate the run time.
- 8** As an additional benefit there is a 10A miniature relay located on the PCB that has a NO (normally open) or NC (normally closed) and C (common) connections allowing a dry switch to activate whenever any audio is output through the unit. This could be used for example, to trigger a light or another VOX300 trigger port.
- 9** You may have a special or different use for the VoiceOff that does indeed require instant termination of any message that is playing. Of course, provision is provided for this with a 'RESET' terminal. You can immediately terminate a triggered recording by connecting a switch to GND ("C") and rest ("R"). Connect a power supply (12 V DC) to connections shown here:



## RS232 Set Up

The VoiceOff can trigger up to a total of 9999 MP3 files. As explained earlier, the first 10 files can be triggered on the PCB board but using an RS232 connection to a PC means a total of 9999 different MP3 files can be triggered. To use RS232 you will need to obtain a null modem cable wired as shown. RS232 connections on the PCB are shown here:



The set up for the serial port is as follows -

Baud Rate 9600, Data Bits 8, Stop Bits 1, Parity None, Flow Ctrl None

# Set Up

## RS232/RS485 Commands

RS232 Command	Action	Command to Stop	Example
SQPlaynnFxxxx	Play File	SQStop	When nn = number of plays and xxxx = file number to play E.g SQPlay150002 will play file 0002.mp3 15 times
SQRepeatFxxxx	Play File Continuously	SQStop	SQRepeatF9999 will play file 9999.mp3 indefinitely
SQStop	Stop Playback	N/A	SQStop stop file playback whether it was started using SQplay, SQRepeat or from the input terminal strip

## RS485 Set Up

The set up for the RS485 interface requires a CAT5 twisted pair correctly connected to transmit + and transmit - connections with Baud Rate set at 9600, Data Bits 8, Stop Bits 1, Parity None and Flow Control None.

## DVR Talkback Function

### Using Audio Line in Connection

- 1** A DVR talkback function is also available. This allows you to connect a microphone directly to the DVR using the Audio in connection or a remotely networked PC running remote monitoring software. Anything the operator says will be amplified by the VoiceOff and played back.
- 2** The audio output from the DVR is connected to the yellow audio input phono connector in the VoiceOff.

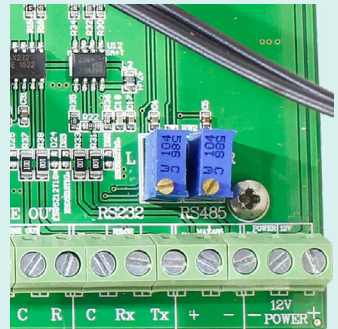
## Volume Control

On the VoiceOff PCB, you will see two blue volume controls with a small adjustable screw on the top of each of them. Once located, you will need a small precision screwdriver. Please make sure you use the right tools for the job as if anything else is used you may end up damaging the volume controls, which you don't want.

# Set Up

There are two separate volume controls - the one to the right on the PCB is for adjusting the output volume for the speaker that is built in (right speaker) to the VoiceOff's lid. The other volume control "L" (left speaker) pre-adjusts the output when you use a second slave speaker connected to the VoiceOff. This is because you may have speakers in different areas such as one inside and one outside. In this instance you may want different levels of volume in the two areas, hence two controls are provided. When you are adjusting the volume control, don't turn up the volume too high or you will simply get distortion and the clarity of the message you are delivering will be lost, or the quality of the sound will be poor. When you receive the VoiceOff unit, the volume levels will have already been adjusted to a mid way point which will suit most applications.

*Note that the volume controls have a wide range adjustment, so you may find that the volume is slow to adjust if you are making major changes to the volume*



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## What can be used to trigger the VoiceOff unit?

The VoiceOff is triggered by simply connecting any of its alarm input terminals to ground or zero volts. Obviously you can do this using a piece of wire and simply connect the alarm terminal to ground but most people want to do this automatically. For example, when a person walks through a doorway, the VoiceOff is triggered and a message starts playing.

To do this you have quite a few options. By fitting a 'magnetic door contact' to the door you can use it to automatically connect to one of the VoiceOff's alarm inputs to ground and start VoiceOff playing back that corresponding audio file when the door opens. You will need a door contact that has what's called 'normally open' contacts. These are readily available items.



# Set Up

Similarly, you could use a movement detector such as PIR. Again, when the PIR detects movement you will use its 'normally open' contacts to connect one of the VoiceOff's alarm inputs to ground. This in turn makes the VoiceOff start playing the related audio file, be it a welcome message, a warning, or something else - perhaps a barking dog!

Other devices can be used to trigger the VoiceOff. This includes DVRs, burglar alarm panels, bell boxes, key fobs and so on. Almost every one has a different way of triggering the VoiceOff and what it is used for.

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## What happens when more than one alarm is triggered in quick succession?

A common question people ask about the VoiceOff is, "What happens if it's playing back one message and another alarm input, or perhaps the same alarm input is re-triggered?" The answer is the original message plays out until it reaches the end of that message. This is a deliberate feature. It's so that if you are using a VoiceOff unit to warn away intruders and a message is played when a PIR detects the intruder, you would want the message to complete even if the PIR is re-triggered through movement again.

Ideally you want the listener to believe it's possible (even if only on a subconscious level) that a real person is delivering the message. Similarly, you may be using the VoiceOff to deliver a welcome message in which case you would want the message to play out in full instead of being cut off midway through delivery if the PIR was re-triggered by other customers.

Full instructions can be found at:  
**[www.voiceoff.com](http://www.voiceoff.com)**

# Accessories

## Useful accessories to use with the VoiceOff

### Extension



Model:  
VOX120

#### Specification:

Speaker	8W 80 ohms
Case	Ivory ABS IP65

### Bespoke

Let us record a custom message especially for you!



Visit:  
[www.VoiceOFF.com](http://www.VoiceOFF.com)  
For more information

### Extra SD Card

Any Size up to  
32GB



### Power Supply

Recommended Model:  
POW803



Min req: Regulated 12V DC  
300mA+ for VoiceOff

### Microphone



Optional for  
TALKBACK function  
(see page 5)

### + Voices

For 1000s of messages visit:

[VoiceOFF.com](http://VoiceOFF.com)



# Where to Buy

*Tiny investment in technology - saves a fortune in wages.*

## **You can purchase the VoiceOff unit from most leading Alarm & CCTV equipment installers.**

The typical retail price is around £249. Please note £249 excludes installation and any other equipment you may need, please check this with a site survey with your installer.

Your installer will quote you the installed price directly.

If you don't have an installer, please use the "Find an Installer" button on the VoiceOff website. It will help locate someone local to you that can supply and fit it.

For trade/wholesale enquiries about the VoiceOff please use the "Trade Contact us" button online at: [www.voiceoff.com](http://www.voiceoff.com)



**Contact us on:**

[info@voiceoff.com](mailto:info@voiceoff.com)



*Scan the QR code to  
take you to the website!*

**Or for more information on the superb VoiceOff, please visit: [www.VoiceOFF.com](http://www.VoiceOFF.com)**

**Company Details:**