MAKING THE DIFFERENCE
TO YOUR VISITOR EXPERIENCE

Optima6

User Manual

The Multimedia Audioguide

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Buttons

The PnC version of the Optima66 has 4 buttons, with the functions as described below.

Charging

The battery in the Optima6 will last around a week with normal usage. We recommend you have one 5-port charging station for each 25 Optima6 in order to keep the entire site continuously operational. This means that on average each Optima6 will be charged every five days.

To charge an Optima6, simply place it on the charging slot as shown in the picture below. The optima screen will display the level of charge.

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Programming

The Optima6 is programmed using the Software iGuide6. This can be downloaded from **http://ftp.rsf-int.com/iGuide6.zip**. A wizard will guide the user through the project creation phase, after which a zone number must be selected for each message.

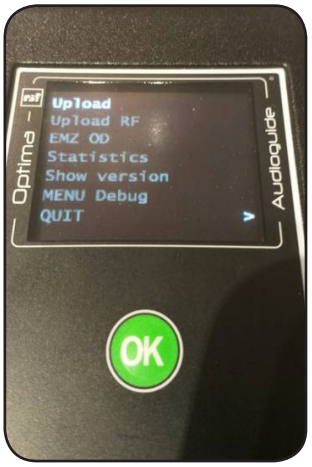
Transferring Content

Content can be transferred from one Optima6 to others via the headphone cables through an interface. This interface is either 1⇨2 or 1⇨16.

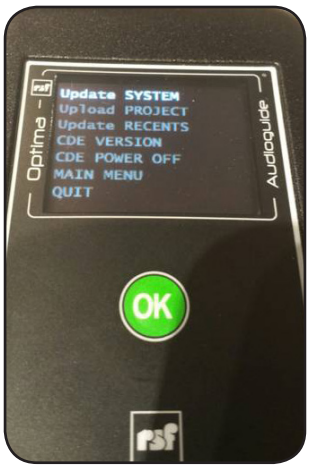
The 1⇨2 interface is passive and simply requires a master and one or two slaves to be connected to the appropriate ports.
The 1⇨16 interface requires an external USB PSU (supplied).

Once the interface has been appropriately connected, the user will need to access the hidden menu in the master Optima6 by using the following procedure:

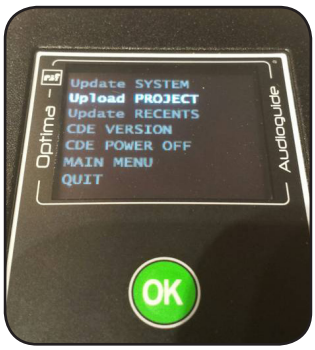
- Turn the Optima6 off
- Press and hold the + button
- Additionally press and hold the black button on the side
- Hold both buttons until the following menu is displayed:



- Select "Upload" with the "OK" button
- The following menu appears:



- Select the option "Upload PROJECT":



- A progress bar on the master will indicate the current state of the transfer
- When the transfer is complete the master will display "END OK"
- The user can return to the transfer menu by pressing "OK"
- Using the option "CDE POWER OFF" the master can send a command to the slaves to switch off

Triggering

There are four possible methods to trigger the Optima6:

- Automatically via IR (no visitor input required)
- Automatically via RF (no visitor input required)
- With Point & Click (visitor input required)
- By entering the zone number on the keypad (visitor input required)

Automatic IR triggering requires the use of a combination of the following RSF products:

- EMZSYN2
- EMZ5
- EMZ3
- RAD1
- RAD2
- RAD3

Due to the laws of physics IR triggering requires that there be a direct line-of-sight path between the emitter and the visitor. Triggering can be extremely precise, accurate to around 30° of turning, or 50cm of movement. Each zone can be synchronised to an external show or a static zone as required.

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Automatic RF triggering does not require a direct line-of-sight path from transmitter to Optima6. Zones must be of relatively light density. Each zone must be at least 5 times it's own size from the next zone (e.g. a 1.5m zone must be minimum 7.5m from the nearest zone.

For Automatic RF triggering an EMZRF24 will be necessary per zone.

Point & Click triggering is an extremely intuitive method of triggering an Optima6. The visitor directs his Optima6 towards a target, and presses the "OK" button. The Optima6 sends an IR message containing the serial number of the Optima6 to a beacon. The beacon then replies via RF, sending a message targetting that specific Optima6 with a zone number and (in the case of a zone with synchronisation) a timecode. NB this option is only available with the Point & Click version of the Optima6.

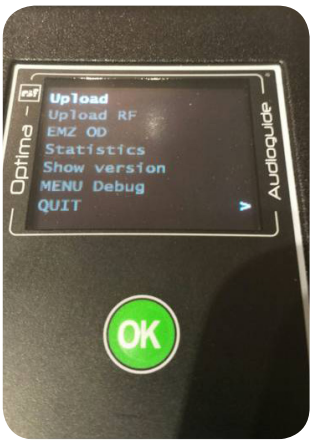
For Point & Click triggering an EMZ-OD or EMZ-OD-Multi will be required for each zone.
The configuration of these is covered in a section below.

Entering the zone number on the Keypad is as uncomplicated as it sounds—the visitor simply inputs a zone number (usually displayed on a plaque in the exhibition area) and presses "play". The message starts playing back. There is no need for any external hardware for this option. NB this option is only available with the Keypad version of the Optima6.

Configuring the EMZ-OD

The EMZ-OD or EMZ-OD-Multi are configured using the hidden menu in the Optima6. It is accessed as follows:

- Turn the Optima6 off
- Press and hold the + button
- Additionally press and hold the black button on the side
- Hold both buttons until the following menu is displayed:



- Go to the option "EMZ OD" and press"OK"
- The following menu appears:

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- Each interaction with an EMZ-OD is started through Point & Click - point the Optima6 at the circular hole on the EMZ-OD, and press the "OK" button on the Optima6.

The menu options have the following functionality:

EMZ Power + Version - Display current battery level, zone number & (if applicable) timecode
Change DRV - Update the firmware in the EMZ-OD / EMZ-OD-Multi
Config EMZ - Access the setup menu to configure the EMZ-OD / EMZ-OD-Multi
Upload Config MODEL - Not currently operational
Reset EMZ - Perform a reset on the EMZ-OD / EMZ-OD-Multi
Main Menu - Return to previous menu screen
Quit - Leave the hidden menu completely

- When in the **Config EMZ** menu the following options are available:

Mode - Operating mode (On Demand / Alarm TX / Referent / Auto)

On Demand	- Visitor must Point & Click at EMZ in order to trigger his Optima6
Alarm	- Set up an alarm at doorways vulnerable to theft (NB a dedicated alarm module is now available at lower cost compared to an EMZ-OD-Multi)
Referent	- The visitor who Points & Clicks at the EMZ-OD / EMZ-OD-Multi in this mode becomes a master for other Optima6 users, enabling him to trigger their devices in the manner of a group guide
Auto	- Not currently used

Zone - Zone number to be triggered
Delay - Time offset for synch'ing to external media (NB can be positive or negative offset)
Power RF - RF signal strength for broad / narrowcasting to Optima6s (min 1, max 10)
RX IR - IR sensitivity for receiving signals from Optima6s (High / Low)
EMZ ID - Identifier for EMZ within the project (usually same as zone #)
Relay - Output relay mode (Pulse / Command)
Mode OD - Operating mode for Point & Click triggering (Simple / Multi Start / Multi DigiF)

Simple	- No Synchronisation
Multi Start	- Synchronisation. Synch signal comes in the form of a relay closure
Multi DigiF	- Synchronisation. Synch signal comes as a Digifrequency.

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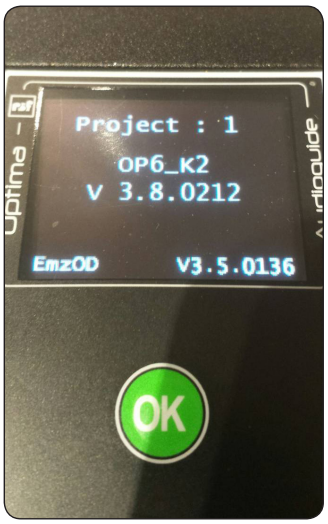
Checking Firmware Version

Sometimes it is necessary to check the firmware version in an Optima6. To do this, turn the Optima6 off, then press & hold the black button until the firmware version is displayed on the screen. The firmware version of the EMZ-OD that is currently stored in the Optima6 will also be displayed along with the project version number. (The project version number is a very useful way of ensuring that updates have been transferred to all Optima6s in an installation. It does however require the user to update the version number of the project each time there is a change!)



The firmware and project version numbers will be displayed as long as the black button is pressed. Once released, the Optima6 continues in its normal mode.

When the firmware version is displayed it looks like this: ⇨

Manual Reset (for when it gets REALLY serious!)

In most cases this procedure will not be necessary, however there can be occasions where an Optima6 becomes blocked and doesn't respond to button pushes, for example if a content transfer is interrupted, or the power received from a charger fluctuates too much. In this case there is a manual reset that can be performed as follows:

On the right side of the Optima6, about 40% of the way up the side, there is a very small hole in the case, approximately here:

A few mm behind this hole there are two pins. When the user makes an electrical connection between these two pins (e.g. with a paperclip) the Optima6 emits a short beep, and restarts.