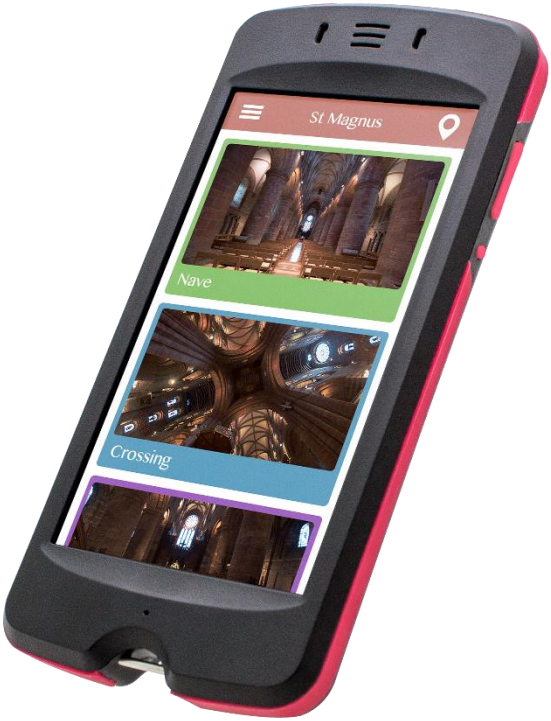


# USER HANDBOOK

## ATS Focus Multimedia Guide

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# Getting Started

The ATS Focus Multimedia Guide is designed specifically for use by visitors to Museums, Stately homes, Galleries and other Cultural Sites. It can also be used for training courses and a multiple of other situations.

With a 5" LCD screen it is designed to have video, audio and interactive content and be worn with a Lanyard and either listened via the speaker in the top, or to be used with headphones.

Not only does it have Wifi but a full specification Low Energy Bluetooth receiver that works well with Bluetooth Beacons.

Ergonomically designed, it fits well in the hand and has easy to access volume buttons on the side which are generally produced in a high visibility colour such as white.

There are two modes of operation that allow the device only to be switched off/on using a specially placed magnet, or to use the small external button below the volume control.

*The Operating system is Android 4.3.1*

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***Important: Only ATS Qualified Staff should open the player to change batteries, settings and add extra memory***

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# Diagram of the ATS Focus Multimedia Guide

# Switching On

There are two modes of controlling the devices ie switching on and off (these are selected on build and can only be changed by ATS Technical Staff):

**Power Switch** – We use the switch below the volume control and one press should start the switch-on sequence. Similarly, the same switch can be used the turn off the device.

**Magnetic Switch** – This is used in a more controlled environment like a museum or heritage site where you not want the user to switch the player on or off. When the unit is set to this mode the only way of switching the device on is to use a magnet or a Device Controller (ATS Product number ATSFocusDC01). To switch off you use the same approach.

The power button is purely there as a control to make the screen sleep or wake up when in magnetic switch mode.

**Switch On sequence** –

Whichever mode is fitting the follow sequence is seen on the LED in the right-hand window:

| Event | Time | LED State |
|---|---|---|
| Power On | 0s | Yellow |
| Boot | 0.1s | Change to Red |
| Start of Linux | 5s | Red |
| Start of Android | 15s | Green [ATS Logo appears on screen] |
| End of Android Start-up | 30s | Green off |

# Specification

The ATS Focus Multimedia Guide has the following specification:

### Capacity

5GByte EMMC internal Storage with up to 64GB with micro SD Card fitted.

### Size and Weight

Height:160mm  Width:79mm  Depth:18mm  Weight: 214 Grams

### Display

5 inch (diagonal) LCD Display with 2 point multi-touch screen

1280 x 720-pixel resolution

### Chip

iMX6 Dualite CPU with 2 GByte RAM memory

### Camera

Global Digistar 4MB Camera (Optional)

### Input and Output

USB Connector, 3.5 mm Headphone Jack

Built-in Speaker, Microphone

### Wifi and Bluetooth

802.11 b/g/n & BLE low energy radio

### Environmental

Operating Temperature 0-40 Decrees C

### Battery

3000 Mah LIPO Battery giving approximately 4-8 hours usage depending on cycle

# Contact Details for ATS

We recommend that the Focus Multimedia Player is placed on a support contract via Advanced Thinking Systems.

The company will however provide ad-hoc support during working hours, and can quote for specific repairs or maintenance such as changing batteries (which should be done every 2 two years).

Advanced Thinking Systems

Telephone: 02392 595000

Address:

1 South Lane, Clanfield,

Waterlooville,

Hants

PO8 0RB

Email: support@advanced-thinking.co.uk

Web: www.advanced-thinking.co.uk

# Declaration of Conformity

| | |
|---|---|
| Manufacturers Name: | Advanced Thinking Systems Ltd |
| Address: | 1 South Lane, Clanfield, Waterlooville |
| | Hants, PO7 4RZ, United Kingdom |
| Type of Equipment: | ATS Focus Multimedia Guide |
| Model: | ATSFocus01 |

I hereby declare that the equipment specified above conforms to the provisions of the EC Directive 2004/108/EC and 2006/95/EC on Electromagnetic Compatibility(EMC) having applied the following standards:
EN 55032:2015 Rev July 01.2015
EN 55024: 2010 + A1:2015 Rev June 05.2015
EN 61000-3.3:2014 Rev August 01.2014
EN 61000-3-3.2013. Rev August 01.2013
EN 301 489-17 V2.2.1
EN 62311:2008 (SAR)
EN 3000 328 V1.9.1

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- - Reorient or relocate the receiving antenna.
- - Increase the separation between the equipment and receiver.
- - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- - Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC rules. Operation is subject to the two following conditions:

(1) This deice may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

About SAR operation:

1. The transmitter must not be co-located operating in conjunction with any other antenna or transmitter.
2. The equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment, under 47 CFR 2.1093 paragraph (d)(2).
3. The ATS Focus Multimedia Guide has been tested to the FCC exposure requirements (Specific Absorption Rate).

Michael Howie CEng MIET

Managing Director, 11 May 2017