

# Maestro™

The Maestro™ is our ultimate onsite device for high impact, innovative and immersive visitor experiences. Beautifully designed, packed with innovative features and robustly engineered for high volume, all day operations.

The Maestro™ features include: HD quality 5.5" touchscreen for speedily delivered content, full range of the Imagineear Precision Connect™ suite powered by ultra wideband for pin-point triggering, indoor positioning, navigation and 100% syncing accuracy, WIFI for wireless updates and analytics, a battery which guarantees all day performance, front and back cameras which, combined with the Maestro™'s ultimate 6-in-1 comms chipset, support truly immersive AR experiences and TourBuilder Plus™, our onboard content management software, to easily and quickly control and creatively present tour content.

The device works hard not only for your visitors but also your staff. By integrating our innovative Multimedia GroupGuide™ software, Maestro™ enables tour guides to speak to their group and trigger multilingual content without the need for additional kit.

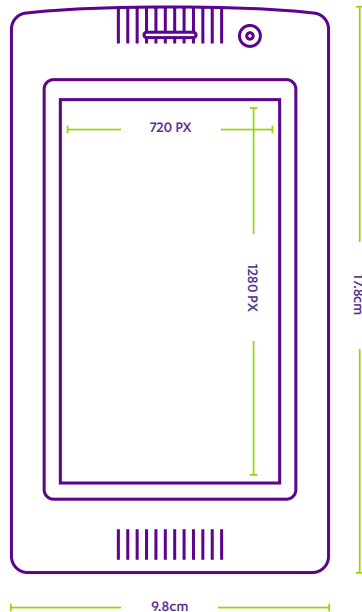


# Overview

- Beautifully designed, intuitive, robustly engineered Android based device
- Large 5.5" capacitive IPS, HD resolution, antiglare, scratch and shock resistant screen
- Integral HD back camera as standard, optional front camera and visual recognition technology, supporting augmented reality and content triggering
- TourBuilder Plus™ onboard CMS software, fully backwards-compatible with our other device platforms.
- Versatile Android operating system with 6-in-1 connectivity chip including Wifi, Bluetooth & GPS supports truly immersive AR experiences
- PrecisionConnect™ suite powered by ultra wideband for pin-point triggering, indoor positioning, navigation and 100% syncing accuracy
- Compatible with Imagineear's groundbreaking Multimedia GroupGuide™ system giving guides the ability to trigger multimedia content to group visitors
- Robust design, purpose built for mass distribution and repeat rental, all day every day
- Fully optimised long-life battery which guarantees all day performance, for seamless logistics
- In-built alarm system to effectively manage security
- Long battery life, modular charging units and stereo headphones for seamless logistics
- In-built alarm system to effectively manage security

# Technical Specifications

## Maestro



### PHYSICAL

**Weight** 334g  
**Length** 17.8cm  
**Width** 9.8cm  
**Depth** 1.4 cm

**Fastening:** Loop slot for lanyard  
**Headset Jack Socket:** 1x3.5 mm  
**Protection:** Rubber coating to sustain repeated use

### SCREEN

**Size:** 5.5" screen, 16:9 ratio  
**Type:** Capacitive In-Plane vSwitching (IPS) with wide viewing angle and active touch panel. Antiglare, sufficiently bright for use outside in normal conditions.  
**Protection:** Shock/scratch resistant  
**IPS Resolution:** 720x1280, 5.5": 267 ppi  
**IPS Luminance:** > 350 cd/m2  
**Brightness :** Controlled via Android  
**LCD:** Off when in standby mode during charging. LCD restored to default brightness when undocked.

## HARDWARE

---

**Processor:** Octocore processor

**RAM:** 2GB DDR

**Flash Memory:** 32GB, directly accessible via USB.

**Micro-SD Socket:** Yes, secured access from inside player

**Charging and Data Connection:** Modular, via 1×OTG USB 2.0 USB-C connector

**Speaker:** External

**Alarm:** Yes

**Turning Device on/off :** Special sequence of key presses required

**Power-Saving Mode:** Automatic, after adjustable period of idle activity

## SOFTWARE

---

**Platform:** Android 9.0, API level 28 with root access

**Restoring Default settings:** Ability to perform hardware/factory reset

**Flash/SD Memory:** Treated as MTP devices [Win/macOS]

**Playback:** Landscape or portrait

## BATTERY

---

**Battery:** Li-ion 7600mAh with integral 4.1 VDC overcharge protection cut off chip

**Charging:** Via USB-C, 5 VDC. Fully charged within 6hrs. Charging status (LED) indicator visible when charging using rack

**Continuous Playtime:** >8 hrs minimum

**Discontinuous Playtime:** >16 hrs, under normal usage conditions

**Battery Life:** Minimum 750 charge cycles.

Replacement recommended there after

**Low Battery Level warning:** Yes

## COMPLIANCE

---

**Device:** CE, ROHS and FCC article 15, Class C compliance

**Battery:** Passes Part III, Sub-Section 38.3 of the UN Manual of Tests and Criteria.

**Battery shipments comply with:**

IATA shipping rules UN3480/1, PI965/966/967

## CONNECTIVITY

---

**Wi-Fi:** 802.11 a/b/g/n/ac (wave II)

**Bluetooth:** 5.0 incl BTLE

**GPS:** With A-GPS support

**Connect:** Alarm/data channel

**FM:** Radio with headset cable as antenna

# Technical Specifications

## Charging Rack



### PHYSICAL

---

Slots/Rack	10 Players
Height	29.5cm
Width	15.3cm
Depth	15cm
Weight	2.4kg
Colour	Black

### FUNCTIONAL

---

**Inter-connectivity:** Modular, stackable vertically or horizontally

**Data Connections:** USB 2.0 high speed (480 Mbps) for each port (internal 11-port USB 2.0 HUB) 1x mini-USB output (PC or other rack)

### POWER SUPPLY

---

**Input Power:** 90~240 VAC

**Output Power:** 5 VDC, 13A, 65 Watt

**Power Connector:** IEC 3-pin male female, cascading, one per horizontal row

**Power Charging:** 5 VDC, 1300 mA per port

**Fuse:** 1000mA, per charger

### COMPLIANCE

---

**Certification:** CE, ROHS, WEEE, FCC (Class A)

# Technical Specifications

## Headphones



### PHYSICAL

---

<b>Type:</b>	Behind-the-neck
<b>Weight:</b>	46g
<b>Colour:</b>	Black

### FUNCTIONAL

---

<b>Nominal impedance:</b>	32 Ohms
<b>Frequency:</b>	20hz-20Khz (-10 dB/1 kHz)
<b>Ear Cover:</b>	Removable and washable foam pads
<b>Connector:</b>	3.5mm stereo jack
<b>Cable:</b>	90cm, fully detachable

### COMPLIANCE

---

**Certification:** Certification: CE, WEEE

**Imagineear** can source and provide alternative headset models, including in-ear earbuds