

# ISOtunes® **FREE** EN352

## IT-12 FREE TRUE WIRELESS EN352



**Product:** Wireless earbuds with Bluetooth connectivity and silicon foam ear tips.

**Description:** True Wireless Noise Isolating Earbuds. Left and right earbuds which are connected wirelessly via Bluetooth.

**Colour:** Hi Viz Yellow/Black

**Applications:** In-ear hearing protection device for users who want to communicate and /or listen to streamed music from Bluetooth devices/mobile phones in a noisy environment but without the need for wires around the neck.

**Weight:** 9 grams (both Earbuds). Case 32 grams

**Shipping Weight in packaging:** 209 grams

**Standards and Approvals:** This product has been tested and Approved to EN352-2. It also complies with the latest RoHS, WEEE, FEC & CP65 standards.

**Notified Body:** BSI Group - The Netherlands B.V. PZT 1974

**EN352-2 Testing with Trilogy Foam Ear Tips**

**SNR** = 29 dB

**HML** H = 31dB M = 26dB L = 19dB

Frequency Hz	125	250	500	1000	2000	4000	8000
Mean Attenuation dB	30.5	26.7	30.0	31.3	34.4	36.4	44.5
Standard Deviation dB	4.6	4.5	5.9	5.4	4.0	3.5	3.9
Assumed Protection dB	26.0	22.2	24.2	25.9	30.4	32.9	40.6

Included are 3 pairs of Trilogy Foam ear tips in 3 sizes. Short S/M/L. Tested for attenuation under EN352 for use in noisy environments.

Sizes:- Small: 7-10mm, Medium: 8-12mm, Large: 8-14mm

Also included are 3 pairs of Silicone Double Flanged ear tips in 3 sizes S/M/L. Not tested under EN352-2 and NOT for use in noisy environments.

# The **Next Generation** of Hearing Protection

## TECHNICAL SPECIFICATION

- EN 352-2:2002 Hearing protectors - General requirements - Part 2: Ear Plugs
- PPE Regulations 2016/425
- The EU declaration of conformity can be accessed at [www.isotunes.co.uk/EU-declaration-of-conformity](http://www.isotunes.co.uk/EU-declaration-of-conformity)

## BLUETOOTH:

- Bluetooth V5.0 Technology +EDR.
- Bluetooth Profiles supported:- HSP, HFP, A2DP, AVRCP
- Supports iOS Bluetooth battery level indicator. When connected to an iOS device, the battery power status can be seen in the upper right corner of the screen.
- Transmission power:- Class 2
- Impedance:- 16  $\Omega$
- Operational range:- Up to 10 meters/30 feet
- Frequency response:- 20Hz – 20 kHz

## BATTERIES:

- Built in rechargeable 3.7 Volt Lithium Ion Battery in each earbud and charging case
- Charging Voltage:- DC4.75 – 5.25 Volts.  
**Only use a charge of 5 Volts/1 Amp output maximum. Using a charger higher than 5 Volts/1 Amp output could be dangerous and may damage the headset.**

Battery details for earbuds :-

- Number of batteries:- 2 – one in each earbud
- Battery weight:- 2.4g per battery.
- mAh:- 45 per battery
- Watt hours per battery:- 0.1665 Wh battery per battery

Battery details for charging case:-

- Number of batteries:- 1
- Battery weight:- 2.8g
- mAh:- 420
- Watt hours per battery:- 1.554 Wh battery in charging case
- Case Charging - Micro USB to Standard USB cable included

## BATTERIES:

- Case Charging - Micro USB to Standard USB cable included
- Charging Time:- 1 – 2 Hours for Earbuds. 2 - 3 hours for Charging case.
- Music/Talk Time:- Up to 7+ hours\* between charges plus 14 additional hours\* using the charging case.
- Earbuds can be charged twice from the case before the case will require charging. Total of 21 hours\* music/talk time using the charging case.
- \*Standby Time:- 120 hours.
- \*Times may vary based on user usage.

## OTHER FEATURES:

- Integrated Microphone:- Signature noise suppressing microphone with echo cancellation technology help block steady state noise for clear calls in loud noise environments.
- SafeMax Technology delivers exceptional audio quality while limiting the volume output to 79 dBA.
- Supports aptX high quality audio streaming.
- IP45 Dust Sweat & Water resistant.

## ACCESSORIES:

- Charging Case - included.
- Micro USB to Standard USB charging cable – included

## ADDITIONAL ACCESSORIES:

- Replacement ear tips are available

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# The **Next Generation** of Hearing Protection

## TECHNICAL SPECIFICATION CONTINUED

### FUNCTIONALITY:

- Buttons on both earbuds. For precise functionality, refer to the user manual.
- Power on/off
- Bluetooth connectivity
- Music Play/Pause
- Next Track/Previous Track
- Answer Call/End Call
- Decline a Call
- Separate Volume up/down Controls
- Supports Voice Commands

### CHARGING CASE BATTERY INDICATOR LIGHT:

- Flashes every 5 seconds
- Red one flash – 25% Battery Life
- Red two flashes – 50% Battery Life
- Red three flashes – 75% Battery Life
- Red four flashes – 100% Battery Life
- No flashing – Charging Complete

### SHIPPING:

- Packaged Dimensions:- 15.56 x 10.16 x 4.76 cm
- Packaged Weight:- 209 grams
- Inner Carton Quantity – 10 units
- Inner Carton Dimensions – 24 x 21 x 18.5 cm
- Inner Carton Weight:- 2.2 kg
- Outer Carton Contains 4 Inner Cartons – 40 units
- Outer Carton Dimensions – 44 x 40 x 26 cm
- Outer Carton Weights:- 9.6 kg

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**Warranty:** The warranty does not cover any damage caused by neglected maintenance or careless handling. For more information on maintenance, please see the user instruction. For complete warranty condition, contact your dealer or local Haven Technology Office.