USER MANUAL
Bluetooth Waterproof Speaker - QKS2

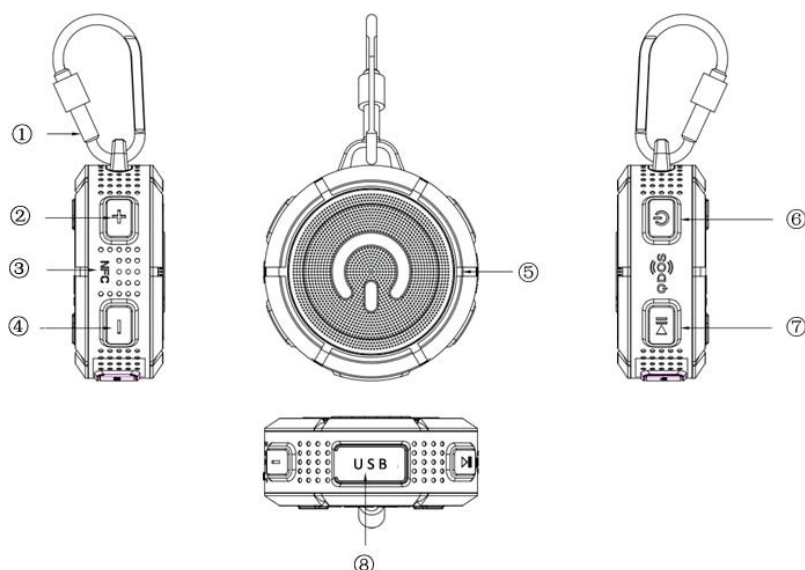## Welcome

Congratulations on your purchase. Your Bluetooth Waterproof Speaker for all Bluetooth compatible iProducts, smartphones, tablets, PCs and other devices capable of streaming Bluetooth audio is designed to deliver a superior audio experience as an ultra light-weight mini portable speaker system. This compact, rugged speaker built for outdoor use easily connects wirelessly to your music device, in seconds…no cables, no hassles! Robust and durable with its unique protective, waterproof silicone skin, it will provide hours of crystal clear audio on the go.

System Specifications of the Bluetooth Waterproof Speaker

- Product Specifications
  - Dimensions: 85mm x 87mm x 34mm
  - Rated Power: 3W
  - Weight :   130gms
  - Interface :   Micro-USB
  - Communication :   NFC, Bluetooth 2.1+EDR
  - Approvals: CE, FCC, RoHS,
  - Waterproof :   IPX67 rated, up to 1m depth
  - LED :   LED light indicates power on

- Speaker Driver Specifications
  - Dimensions: 50mm
  - Channel   Mono channel
  - Speaker rated power: $4\,\Omega$ 3W
  - RMS: 1.5W*1
  - THD: ≤10%
  - Frequency   200Hz-20KHz
  - S/N Ratio: ≥75dB

- Bluetooth Specifications
  - Version   2.1+EDR
  - Operation frequency: 2.4 Ghz – 2.48 Ghz
  - Power output (peak): Class 2 (4dBm)
  - Receiving Sensitivity: -91dBm @ 0.1% BER
  - Operation range: up to 10m

- Battery Specifications
  - Specification: built-in Polymer battery
  - Capacity: 500mAh, 3.7v
  - Charging standard: DC 5V, 500mA

- Miscellaneous Specifications
  - Music playback time: 6-8 hours at 70% volume
  - Charging time: 1 ½ to 2 hours
  - Auto off: device will shut down after 5 minutes of inactivity

Features & Functions

①   Carabiner
- Convenient carry solution for fixing to backpack, belt etc..

②   + Volume Up / Next song
- short press for next song
- long press for volume up

③   NFC: approach any NFC-enabled mobile phone to this position and the speaker and mobile will pair automatically

④   - Volume Down / Previous song
- short press for previous song
- long press for volume down

⑤   LED indicator – built-in battery status
- Blue LED flashing - pairing. After pairing successfully, it will remain blue
- Blue LED on - playing
- Red LED on - charging, when charging is finished, it will turn off

⑥   ⏻ Power switch On/Off
- Press for 3 seconds to power on/off
- The unit will turn off automatically after 5 minutes if no audio devices are paired

⑦   ⏯ Pause/Play button
- Press for pause, press again for play music under Bluetooth playing mode.

⑧   Micro USB charging port underneath a waterproof and dustproof cover

Operation

First, turn on the Bluetooth Waterproof speaker using the On/Off button on the side of the device ⑥. Press the button for 3 seconds to power on or power off.
When powered on, the blue LED light will flash and you will hear a sound. Your Bluetooth speaker is ready for use. When you are ready to turn off the speaker, simply hold the power button down for 3 seconds. You will hear a sound and the blue LED light will turn off.

NB - to preserve battery power and ensure uninterrupted fun when out and about, the product is designed to turn off after 5 minutes when not in use, or when no device is paired!

Connecting your waterproof speaker for playback via Bluetooth
- Activate the Bluetooth function of your device (smartphone, PC or tablet)
- Make sure the speaker is turned on
- Search for F1
- Find F1Pairing
- Select F1 to connect and play
- When finished playing do remember to turn off the speaker using the power button

Connecting your waterproof speaker for playback via NFC
- Search your mobile device and, if applicable, turn on/select the option 'allow data exchange when close to other devices'
- Make sure the speaker is turned on
- Bring the mobile phone close to the NFC zone on the F1 for 3 seconds
- You will hear a prompt voice which means the NFC connection has been successful
- You may disconnect with NFC by simply bringing the phone close to the NFC zone when you are finished using the device but do remember to turn off the speaker using the power button

when choosing this method, please ensure your mobile phone supports the NFC function

NB – If you are unable to connect with your device by either method, you may need to delete other Bluetooth devices from your device list. See TROUBLESHOOTING for more information.

Using your F1 device

- Now that you are connected and ready for play, you can control the volume either directly on the F1 using the volume buttons ② ④, or via the volume control on your paired device
- When making or receiving a call, the audio will pause during the call and restart when the call has ended

NB - sound performance can be affected by transmitting distance, poor signal and other factors. See TROUBLESHOOTING for more information.

Waterproof details for your F1 Bluetooth speaker
- Your F1 is tested and certified submersible up to 1 metre
- Please note that playback may be momentarily affected due to water pressure and interference
- It is recommended to shake off any excess surface water and dry your F1 before re-use to get back to optimal performance

NB - F1 is a waterproof speaker and is protected against accidental water ingress for a rugged outdoor or indoor use. It is not designed for use as an underwater speaker.

Charging your F1 device
- When the battery is low, the F1 will emit warning beeps to remind you to re-charge it
- Turn off your F1
- Connect the micro-USB end of the USB charging cable with the unit ⑧ and connect the other end to your PC, power bank or other charger device whose output is DC5V, 0.5A-2A
- The red LED light will remain on whilst charging
- Your F1 will be fully charged in under 2 hours

NB – if the F1 is completely out of power you will not hear the beeping sounds and there will be no visible LED light. See TROUBLESHOOTING for more information.

WHATS IN THE BOX

- F1 Bluetooth speaker
- Carabiner
- USB to Micro-USB charging cable
- User manual

For Your Safety

- **Failure to read and follow these safety warnings could result in fire, explosion, electrical shock or other hazard, causing serious and/or fatal injury and/or property damage**

- Follow all operating and usage instructions

- Before use always check for damage and use only the cables provided
- Do not block any openings in the speaker cabinet nor push objects into the speaker vents or slots.
- Do not attempt to open or dismantle the unit and never disassemble or modify the components of the F1 Bluetooth speaker
- KEEP AWAY FROM FIRE. Avoid throwing the speaker into fire or storing near to any heating source
- Keep away from corrosive materials
- The speaker is tested and qualified as waterproof to an IP rating of 7 which indicates the level of protection against harmful ingress of water - *ingress of water in a harmful quantity shall not be possible when the enclosure is immersed in water (immersion up to 1m)*
- Do not submerge or use the F1 Bluetooth speaker in water deeper than 1 metre. The F1 will likely be damaged by water pressure below that depth. If your F1 Bluetooth speaker does fall into deeper water, do not resume use without the advice of a qualified technician
- To prevent short circuit or other potential hazards, keep small electrically conductive parts away from the F1 Bluetooth speaker and its connecting sockets
- Do not allow small children to play with the F1 Bluetooth speaker unsupervised
- In the unlikely event of over-heating or if you notice any unusual smells, distortions, discoloring or other abnormal phenomena, please stop using the F1 Bluetooth speaker immediately and seek the advice of a qualified electronic technician

FCC Statement

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 following two conditions:(1) This device 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.