

Tom

RF Headphones



User Manual



Headphone**Revolution**

Regulatory information

This symbol means the product must not be discarded as household waste, and should be delivered to an appropriate collection facility for recycling. Proper disposal and recycling helps protect natural resources, human health and the environment. For more information on disposal and recycling of this product, contact your local municipality, disposal service, or the shop where you bought this product.



Headphone Revolution hereby declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU and all other applicable EU directive requirements. The complete declaration of conformity can be requested at info@headphonerevolution.com



Headphone Revolution hereby declares that this product is in compliance 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.

Tom RF Headphones

Tom HR20RFE headphones are to be used a premium Silent Disco headphone system.

In the box

Tom headphones

USB-C to USB cable

**Features****Ultra-comfort**

Ergonomically designed and built with optimal comfort in mind, whilst maintaining smooth edges and delivering a distinguished look.

**Acoustic clarity**

Fine tuned with a booming powerful bass response, the large 40mm drivers deliver precise acoustic clarity for all types of audio.

**Direct Receiving**

Receiving RF with simplicity and ergonomic functionality.

**Freedom**

Enjoy freedom by indulging in stunning wireless audio. With a RF range of up to 100m you're free to consume audio without being restricted.

Introducing Tom

RF/Silent Disco

1 Power/[Mode switch]**Power on/off**

To power on the headphones press and hold the on/off power button for 2 seconds until the small LED indicator light glows red.

**Switch Channel**

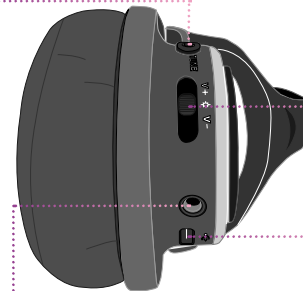
Tap the on/off power button once to switch between the twelve preset RF channels. The LED lights will change to indicate which channel of audio you're listening to.

2 Set/[Volume button]**Adjust volume**

Quickly push the 'Set' button up/down to adjust volume of your audio up/down respectively.

**LED light setting [on/off]**

Press the 'Set' button in and hold for 3 seconds to toggle the LED light mode on/off. The LED will toggle between 3 settings: static, flashing and off.

**3 Aux input****Input**

Plug in 3.5mm jack to connect to audio device.

**Output**

Plug in 3.5mm jack to share received audio with another audio device (ie. headphones), by connecting to socket.

4 USB-C Charge Port**Charging**

Insert USB-C charge cable to recharge your headphones.

Charging your headphones

To charge the headphones, connect using the USB-C cable (included). When the headphones are charging, the LED indicator light will glow green and turns off when fully charged. The headphones take 3 hours to fully charge.

When the headphone battery voltage is too low (i.e. the battery charge is low), the small LED indicator light flashes red.

Prevent over-charging. Don't leave your headphones plugged into a charger any longer than 6-8 hours as this will significantly reduce the battery life span.



RF mode

Tom headphones use radio frequencies within the following bands 820-870mhz or 900-930mhz.

To use with RF (radio frequencies) you will need a RF Headphone Revolution System, or Over-Ear transmitter.

You can use up to three transmitters (as standard) to broadcast your audio to Tom headphones (unless you've specified more with your supplier).

If you have opted for more than three channels, your channels will have been configured by your supplier according to your location.

For further information, please consult your supplier.



1. Set up Headphone Revolution RF system(s)

Ensure that you have set up your Headphone Revolution RF system correctly (see separate product instructions based on the system you're using). Once set up, start playing your audio through the RF system.


2. Switch on

Press and hold the power button  (for 2 secs) to switch the headphones on. The LED lights will flash in succession to indicate the headphones are on.

3. RF mode

The headphones will automatically scan for radio frequencies when powered on.

4. RF Scan

Once the headphones are in RF mode, tap the power button  to control which RF system you're listening to. The LED lights on the headphones will change colour according to indicate which system/RF frequency is selected.

5. In audio options


Once you are set up and playing audio through the headphones you can control the audio on your device using your Tom headphones.



a) Adjust volume

Quickly push the 'Set' button up  /down  to adjust volume up/down.

b) Change light setting

Press and hold the set button to switch the blue flashing LED's off. The LED will then switch to static and glow red. If you wish to have the flashing blue light, press and hold the set button  for 3 seconds.

Tips

Storing your headphones

The headphone ear cups rotate for easy, convenient storage. Rotate both ear cups inwards to lay them flat after use and store safely.



Make sure the headphones are powered off before storing to avoid disappointment. Do not store the headphones in an ambient temperature of more than 45°C.

Cleaning your headphones

Keep your headphones clean and smelling fresh by wiping them down after each use. Wipe the outside surfaces of your headphones with antibacterial wipes whilst carefully avoiding getting any moisture any of the headphone inputs.

Charging

Always charge your headphones before your event, this helps avoid unhappy people and keeps everyone partying for hours.

Water damage

Try not to let the headphones come into contact with water. Keep your headphones safe, don't store your headphones in a damp place.

Finding the serial number

The serial number is located on the inside of the headphone band above the left cup. The serial number is the number below the www.headphonerevolution.com URL. Your serial number will start with 'HR'.



RF Specification

Model	HR20RFE
Dimensions	H 20.5 cm W 16 cm D 7.5cm
Weight	0.25g
Sound	Stereo, HD or SD Mode
System	UHF/RF
Modulation	FM
Connections	Aux (3.5mm Jack), USB-C
Frequency Range	3 CH 820-835Mhz
Audio Mode	Stereo
Operational Distance	>100m
Receiving Sensitivity	<12dBuVemf
Frequency Response	60--14,000Hz
S/N Ratio	> 80dB
Distortion	0.1%
Charge Voltage	5V
Charge Current	300mA
Charge Time	>3 Hours
Working Current	75mA
Battery Type	600mAh Lithium
Battery Life (lights on)	Up to 10 hours
Battery Life (lights off)	Up to 12 hours
Speaker	Advanced 40mm
Operational Distance	>300m (optimum)
Frequencies	Custom i.e. 433MHz/ 863MHz/ 915MHz etc

LED Colour Typical Frequency		
	UK, EU & ROW	USA
Red	863.1MHz	914MHz
Green	863.7MHz	915MHz
Blue	864.9MHz	916MHz
Yellow	N/A	917MHz



Safety instructions

- Switch off and disconnect equipment from mains before cleaning.
- Do not repair or replace parts for any products.
- Do not use equipment if damaged by water, heat, physical impact etc.
- Do not use or store equipment in or near water, moist or hot environments.
- Keep away from radiators and heat generating electrical equipment such as screens and amps.
- Use only the supplied power cable and accessories with your product.
- Disconnect from power after charging and especially when not being used for long periods of time. Overcharging headphones can cause damage to the battery.
- Ensure that power connection is plugged in properly - not damaged, working within a comfortable temperature and not exposed to direct sunlight.
- Failure to comply with safety guidelines can result in electrical shock, fire, damage to equipment and invalidate your warranty.
- If in doubt please contact dealer or manufacturer.



Need help?

Feel free to drop us a line at: support@headphonerevolution.com



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