

# Tom

RF Headphones



## User Manual



Headphone**Revolution**



Tom RF Headphones

Tom is a unique hybrid headphone that can be used as part of an RF headphone system.

### In the box

- Headphones
- User manual
- USB-C charge cable

### Features

- Sleek, durable and lightweight construction that is ergonomically designed with comfort in mind.
- Rich and dynamic sound with enhanced deep bass, great clarity from the acoustically advanced, high efficiency 40mm driver.
- Hybrid all-in-one design that offers simplicity and functionality.
- Stereo 3.5mm audio output.

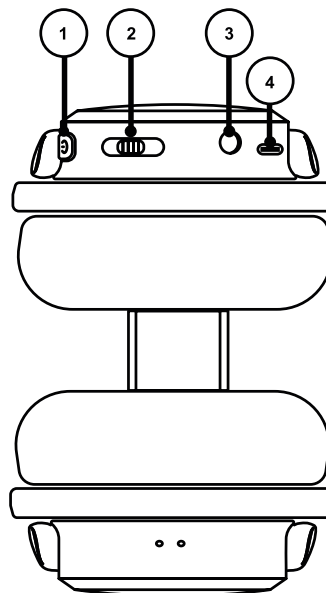
### Radio Specification

System	UHF/RF
Modulation	FM
Frequency Range	12 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
Working Current	75mA
Battery Type	600mAh Lithium
Battery Life	8+ hours
Speaker	Advanced 40mm

### Radio Channels

Channel 1	Red
Channel 2	Yellow
Channel 3	Green
Channel 4	Magenta
Channel 5	Blue

### Introducing Tom



#### 1 Power button

##### Power on/off

Hold the on/off power button until the small LED indicator light glows red.

##### RF mode:

##### Switch channel

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

#### 2 Set/volume button

##### Adjust volume

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

##### RF mode:

##### LED light setting

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

#### 3 Aux input

##### Power on/off

Input - can be used to connect to audio device using standard 3.5mm cable.  
Output - can be used to share received audio with another audio device (ie headphones), by connecting to socket.

#### 4 USB-C Charge Port

Insert USB-C charge cable to recharge your headphones.

## How to use with RF



### 1 Charge Up

Ensure Tom is fully charged (plug into USB-USB-C cable provided, charge your headphones for up to 3 hours).



### 2 Start audio

Set up transmitter(s) with music playing (see separate product instructions).



### 3 Switch on and select radio mode

Press and hold the power button (2 secs) to switch the headphones on. Double-click the on/off power button to switch to radio mode.



### 4 Change channels

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

## Troubleshooting

### No audio/music?

- Check your music playing device is working, connected correctly, playing music with volume turned up full.
- Try a different device and audio cable. Ensure receivers/ headphones are switched on, connected to correct channel and have volume up.
- The headphones turn themselves off after not receiving audio for 10 minutes, so if this happens check the transmitter is still broadcasting.

### Signal cuts out, interference or reduced range?

- Ensure there is no interference caused by other wireless equipment in the vicinity.
- If using 2 or more transmitters simultaneously make sure each is on different channels (frequencies). You cannot use 2 transmitters on the same channel in the same place ever. They will cancel each other out, resulting in little or no signal.

### No power?

- Check the headphones are fully charged and switched on.

### No light?

- If the headphones power on but there are no flashing lights - press the volume control to turn them back on.

## Tips for your headphones

### Headphones are not switching on

If you can't turn the headphones on, try recharging the battery. Plug one end of the included USB-C into the headphones and the other end into a PC or USB charging device via the USB ports.

### Conserve battery life

Remember to power off the headphones when they're not in use to conserve the battery life. If you do not use the headphones for a long time, they may need charging before using them..

### Water damage

Do not let the headphones come into contact with water or store it in a damp place.

### Storage Instructions

Do not store the headphones in an ambient temperature of more than 45°C.

## 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.
- Do not overload wall sockets.
- 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](mailto:support@headphonerevolution.com)



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**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](mailto: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 is a unique headphone that can be used as part of an RF 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.

**Clever hybrid**

Hybrid all-in-one design that intuitively delivers 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 mode

**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**

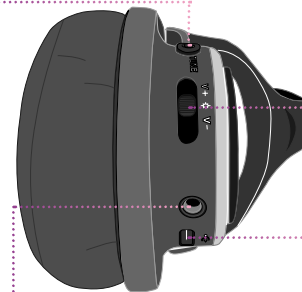
Tap the on/off power button once to switch between the twelve preset RF channels. The LED lights will change to indicate which channel of audio you're listening to.

**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.

The following transmitters are compatible with the headphones.



Falcon Silent Disco Transmitter



Parakeet Silent Disco Beltpack Transmitter


You can use up to 12 transmitters to broadcast your audio to Tom headphones.



### 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](http://www.headphonerevolution.com) URL. Your serial number will start with 'HR'.



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Speaker	Advanced 40mm



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  - 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.



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