

REGULUS

Stereo Wireless Headset

MT3551



Instruction Manual

Introduction	2
Package Contents.....	2
Connectors and Controls.....	3
Headphones.....	3
Transmitter cradle (Back Panel).....	3
Transmitter cradle (Front and Top).....	4
Transmitter cradle (Bottom)	4
LED Indicators on the Headphones.....	4
Transmitter cradle LED Indicators	5
Getting Started.....	5
Connecting the Transmitter Cradle.....	5
Charging the Battery of the Wireless	6
Headphones.....	6
Powering the Headphones On/Off.....	6
Selecting the Operating Mode.....	6
Powering the Transmitter Cradle On	6
Powering the Transmitter Cradle Off.....	7
Synchronising the Headphones	7
and Transmitter Cradle	7
Adjusting the Volume	7
Receiving Radio Stations	8
Using the Headphones with a Cable	8
Battery operation	9
Powering the headphones using batteries.....	9
Powering the Transmitter Cradle Using	9
Batteries	9
Appendix.....	10
Troubleshooting	10
Technical Specifications	11

Introduction

Thank you for choosing our 2.4G wireless headphones product. These 2.4G Wireless Headphones on your hands have been designed for receiving wireless high-quality stereo sound from audio playback devices. The range of the wireless signals is up to 50 m (150 ft) outdoors and 25 m (75 ft) indoors under optimum conditions, depending on the environment. The device also features an FM radio receiver.

Package Contents



Wireless
headphones



Transmitter
cradle



Power Supply



Audio cable, 2m, 3.5 mm
stereo jack to 3.5 mm
stereo jack



Adapter cable, 30 cm 3.5 mm
stereo jack socket to 2x
Cinch plugs

Connectors and Controls

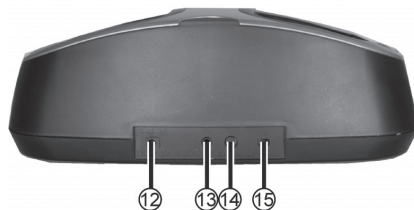
Headphones



1. Increase the volume
2. Search for radio station/synchronize headphones with transmitter cradle
3. Reduce the volume
4. Mode selection switch
5. Radio and RF signal reception indicator
6. Headphones audio input socket
7. Charger connection

8. Headphones power indicator
9. Power source DC1/DC2 selection switch
10. Headphones On/Off button
11. Removable ear cushion pad with battery compartment

Transmitter cradle (Back Panel)



12. Power socket
13. Transmitter cradle audio input socket
14. "SCAN" synchronisation button
15. On/Off button of the transmitter cradle

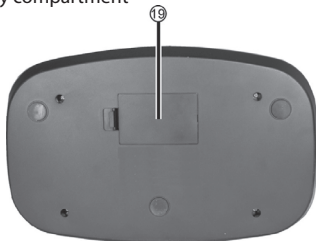
Transmitter cradle (Front and Top)



- 16. Transmitter
- 17. Transmitter cradle send indicator (AUDIO)
- 18. Transmitter cradle power and charging indicator (POWER)

Transmitter cradle (Bottom)

- 19. Battery compartment



LED Indicators on the Headphones

The headphones have two LED indicators: the power indicator (8) and the radio and RF reception indicator. The following table contains a description of their meaning depending on their colour and status:

LED indicator	Status	Description
Power indicator (8)	On, orange	The headphones are powered on.
	Off	The headphones are powered off.
Reception indicator (5)	Blinking, orange	Attempting to establish a connection with the transmitter cradle.
	Blinking, green	The device is scanning for a radio station.
	On, green	The RF link to the transmitter cradle has been established.
	On, orange	The RF link to the transmitter cradle has been established. However, the transmitter cradle is not receiving an audio signal from an external audio source (e.g. your hi-fi equipment).

Transmitter cradle LED Indicators

The transmitter cradle has two LED indicators: the power/charging indicator (18) and the RF send indicator. The following table contains:

LED indicator	Status	Description
AUDIO (17)	Blinking, orange	Attempting to establish a connection with the headphones.
	On, orange	The RF link to the headphones has been established. However, the transmitter cradle is not receiving an audio signal from an external audio source (e.g. your hi-fi equipment).
	On, green	A connection to the headphones has been established and audio data is being sent to the headphones.
POWER (18)	On, orange	The headphones battery is being charged.
	On, green	The transmitter cradle is powered via the integrated mains adapter.
	Off	The transmitter cradle is not powered via the integrated mains adapter.

Getting Started

Connecting the Transmitter Cradle

To connect to hi-fi equipment, use one of the supplied audio cables.

1. Connect one end of the audio cable to the audio input socket (13).
2. Connect the other end of the cable to the headphones output socket of your hi-fi equipment.
If your hi-fi equipment has a 6.3 mm jack socket, connect the adapter plug to the audio cable.
You may also connect the adapter cable to the cable to use the Cinch audio outputs of your hi-fi equipment.
3. Plug the small plug at the cable end of the mains adapter into the power socket (12).
4. Plug the power adapter into a wall outlet.



5. Turn on the transmitter cradle. See page 8 - Powering the Transmitter Cradle On/Off.

As soon as you connect the power adapter to the transmitter cradle and the mains, the transmitter cradle power indicator (18) lights up green. This is independent of the position of the On/Off switch (15).

Only use the integrated mains adapter indoors.

Charging the Battery of the Wireless Headphones

Please charge the battery before using the product for the first time. A charging cycle takes approx. four hours. Connect the integrated mains adapter to the transmitter cradle and to a wall outlet.

- Place the headphones onto the cradle as shown below. The charging contacts (16) of the transmitter cradle must touch the charging contacts of the headphones (7).



The power and charge indicator (18) of the transmitter cradle will light up orange while the battery is charging. When the charging process is completed, the power and charge indicator will light up green.

If you place the headphones onto the transmitter cradle while they are switched on, they will be switched off automatically.

Powering the Headphones On/Off

If the battery level of the headphones is high enough (the power and charge indicator (12) on the transmitter must be green), you may remove the headphones from the transmitter cradle.

You may optionally power the headphones using conventional batteries.

1. Press the On/Off button (10) of the headphones once to switch them on. The power indicator (8) will light up orange.
2. Press the On/Off button of the headphones again to switch them off. The power indicator then goes out.

Please remember to set the correct position for the Power source DC1/DC2 selection switch (9). When set at DC2 position, the device will power on only if charged batteries have been inserted into the headphones.

Selecting the Operating Mode

1. Slide the mode selection switch (4) to the "WL" position to use the wireless headphones to listen to an external audio source (e.g. your hi-fi equipment).
2. Slide the mode selection switch (4) to the "FM" position to receive your favorite FM radio programs.

Powering the Transmitter Cradle On

1. To power the transmitter cradle on, slide the On/Off switch to the "ON" position.

After powering on, the send indicator (17) lights up orange. This indicates that the transmitter cradle is attempting to

establish a connection with the headphones. Synchronizing the Headphones and Transmitter Cradle.

Synchronizing the transmitter cradle and the headphones can take a while.

Powering the Transmitter Cradle Off

You may power the transmitter cradle off whenever it is not needed. When powered off, it will not transmit any RF signals but the headphones battery will still be charged.

1. Slide the On/Off switch (15) on the transmitter cradle to the "OFF" position. The send indicator (17) on the transmitter goes out.

You may optionally power the transmitter cradle using conventional batteries.

Synchronising the Headphones and Transmitter Cradle

After powering the headphones and the transmitter cradle on, both devices should synchronize automatically. This process may take a while (sometimes more than 1 minute), but normally you just have to be patient.

Under unfavourable circumstances, however, the audio signal may be subject to interference. This may happen if you are using a baby phone or a wireless keyboard and mouse set nearby. In this case you can synchronize the devices manually to locate an interference-free channel.

1. Power the transmitter cradle on by sliding the On/Off switch (15) on the transmitter cradle to the "ON" position.

2. Power on the connected audio source and start playback. The send indicator (17) on the transmitter cradle should light up green.
3. Slide the mode selection switch (4) of your headphones to the "WL" position.
4. Power the wireless headphones on by pressing the On/Off button (10) once.
5. Press and hold the synchronization button (2) of the headphones and the synchronization button (14) of the transmitter cradle for at least 1 second.
The RF reception indicator on the headphones (5) and the send indicator on the transmitter cradle (17) start blinking. As soon as both devices have synchronized, both indicators will light up green.
6. If necessary, repeat step 5 if you are not satisfied with the reception quality or you still have interference from other devices.

Synchronizing the transmitter cradle and the headphones can take a while. If there are many wireless devices nearby using the 2.4 GHz RF technology, the transmitter cradle and headphones first have to find a free communications frequency. Any frequencies that are already occupied by other devices will not be used. This is also known as "WLAN Skipping and Hopping".

Adjusting the Volume

1. Press the VOL+ button (1) once or several times to increase the sound volume.
2. Press the VOL- button (3) once or several times to decrease the sound volume.

If you have connected your headphones to an external audio source, you may also adjust the volume directly on the audio source (e.g. by using the remote control of your hi-fi equipment). However, please remember that many audio devices provide a constant signal level on their Cinch audio outputs, thus not allowing a volume adjustment when using this type of connection.

Receiving Radio Stations

You may change the operating mode of your headphones to FM radio reception at any time.

1. Power the headphones on by pressing the On/Off button (10) once. The power indicator (8) will light up orange.
2. Slide the mode selection switch (4) of your headphones to the "FM" position. The radio reception indicator (5) will not light up if no radio station has been tuned-in. It will light up green as soon as a station has been properly tuned in.
3. Press the Search button (2) on the headphones once to search for the next available station.

During radio station scanning the radio reception indicator (5) will blink green.

4. Each press of the Search button will find the next available station until the end of the FM band has been reached. After this the scan will automatically continue from the beginning of the FM band.

The FM signal reception depends on environmental conditions. If the desired station cannot be received without noise or interference, try changing your location.

The last tuned-in station will not be saved when changing the operating mode or after powering the headphones off. To use the built-in FM tuner it is not necessary to power the transmitter cradle on. You may turn it off by pressing the On/Off button (15).

Using the Headphones with a Cable

If your location is close to the audio source and you don't wish to make portable use of your headphones, you may use them with a normal cable connection. In this case you don't need the wireless capabilities of the transmitter cradle.

1. Music output via the audio cable is possible while the headphones are powered off. To save battery power, press the On/Off button (10) to power the headphones off.
2. Connect one end of the audio cable to the audio input socket (6) of your headphones. Connect the other end of the cable to the headphones output socket of your hi-fi equipment.

If your hi-fi equipment has a 6.3 mm stereo socket, connect the adapter plug to the cable.

You may also connect the adapter cable to the cable to use any of the Cinch audio outputs of your hi-fi equipment.

With this type of connection, the headphones work as a passive device. The volume can therefore only be adjusted on the audio source.

Switching to radio reception is not possible during cable operation. If you want to listen to radio stations, you must first disconnect the connection cable from the audio input socket (6) of your headphones.

Battery operation

You may power both the transmitter cradle and the headphones using rechargeable or conventional batteries (only base). Batteries are not included in the package.

Remove the batteries when the device is not to be used for a long time.

Respect the environment. Old batteries do not belong in the domestic waste. They must be handed in to a collection point for waste batteries.

Rechargeable AAA batteries cannot be recharged when inserted into the base.

Powering the headphones using batteries

The headphones battery compartment is located in the left earpiece.

1. Power the headphones off. To do this, press the On/Off button (10).
2. Hold the left earpiece with your hand and use the other hand to pull the ear cushion off the left earpiece. To do this, insert a fingernail into the slot between the plastic frame of the ear cushion and the earpiece at the bottom of the headphones.



The ear cushion is fixed on a plastic frame. You need to remove this frame from the locking mechanism together with the ear cushion. Do not pull on the ear cushion itself.

3. Insert two AAA batteries into the earpiece battery compartment. Make sure you match the correct polarity. Note the + and – icons on the batteries and inside the battery compartments.
4. Slide the function switch (9) to the “DC2” position to switch to battery mode.
5. Place the ear cushion onto the earpiece so that the locking noses of the plastic frame are inserted into the corresponding notches on the earpiece. Replace the ear cushion by pushing it carefully onto the earpiece until it clicks into place.

To switch between conventional batteries and internal rechargeable battery operation you must select the proper position with the function switch (9).

■ Position “DC1” represents internal rechargeable battery operation

■ Position “DC2” represents conventional battery operation

Pay attention to the proper setting of the function switch. If no batteries are inserted and you have left the function switch at the “DC2” position, the headphones will not power on.

Powering the Transmitter Cradle Using Batteries

The transmitter cradle battery compartment is located on the bottom.

1. Remove any cable connections and turn the transmitter cradle upside down, holding it in your hand.
2. Open the battery compartment by sliding the lock of the compartment cover into the direction of the compartment. The cover can be opened and then removed.
3. Insert three AAA batteries into the battery compartment. Note the + and – icons on the batteries and inside the battery compartment.
4. Place the battery compartment cover over the battery compartment so that the locking nose of the cover is inserted into the corresponding notch on the transmitter cradle. Then close the battery compartment cover until it locks in place.

If you have inserted batteries into the transmitter cradle and you connect the power adapter to the power socket (12), battery operation will be disabled automatically. This helps you to save battery power whenever the device is connected to the mains via the power adapter.

While the transmitter cradle is on battery power, it will not charge the built-in headphone battery

Appendix

Troubleshooting

You can solve most common problems yourself by using the following hints. If the problem persists after checking the suggested solutions, please contact our company (see gift box). Do not attempt to repair the product yourself.

The headphones do not power on, there are no indicator lights.

- Recharge the built-in battery or insert conventional batteries.
- Check the position of the function switch (9). For conventional battery operation it must be set to the “DC2” position; for operation from the internal rechargeable battery it must be set to “DC1”.

The headphones power on but there is no sound output.

- Check that the transmitter cradle has been powered on and connected properly to your audio source. Start playback on the sound source.
- Check if the transmitter is sending an audio signal. The send indicator (17) should light up green.
- Check if the headphones and transmitter cradle have to be synchronised.
- Check if the audio source is playing an audio signal. You can use a connection cable to connect the headphones directly to the audio source.

Unable to power the transmitter cradle on.

- Did you connect the power adapter or are the inserted batteries sufficiently charged?

Sound is interrupted or noisy.

- The rechargeable battery or the inserted batteries of the headphones are depleted. Recharge the internal battery or replace the batteries with new batteries of the same type.
- You are outside the maximum range of the transmitter. Move closer to the transmitter cradle.

Technical Specifications

Model	Wireless stereo headphones with FM radio
Frequency response	22 - 20,000 Hz
Signal to noise ratio	50 dB
R/L channel separation	30 dB
Carrier frequency	2.40 – 2.48 GHz (WLAN hopping)
Modulation	digital
Maximum transmission power	9.9 dBm
Radio tuning band	FM Radio 87.5 MHz to 108 MHz
Transmission range	50 m (150 ft) (under optimum conditions)
Broadband characteristics voltage	327 mV

Connectors and ports	1 x stereo Audio-In 3.5 mm jack (headphones) 1 x stereo Audio-In 3.5 mm jack (transmitter) 1 x 5V DC-In
Power supply	Integrated mains adapter (for transmitter cradle) Manufacturer: Type EU: (optional) Type UK: (optional) Input: 100-240VAC, 50/60Hz, 0.2A Output: 5V , 300 mA
Rechargeable battery/ battery operation	Rechargeable Lithium-Polymer battery, 3.7V, 900 mAh (built-in in headphones, Optional) Alternative power supply for headphones: 2x AAA R03/LR03 batteries (not included in the package) Alternative power supply for transmitter cradle: 3x AAA R03/LR03 batteries (not included in the package)
Weights	Headphones: 260g Transmitter cradle: 240g
Dimensions (W x H x D)	Transmitter cradle: 215 x 134 x 73 mm Transmitter cradle Headphones: 216 x 237 x 134 mm

Design and equipment specifications are subject to change without prior notice.

