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MOTOMANUAL

HT820

Welcome

The Motorola HT820 Bluetooth Stereo Headset makes connectivity invisible and reliable. It is astonishingly advanced and simple to use.

Motorola is actively creating *Bluetooth*® solutions for work, play, home, and life everywhere around the globe.

Thank you for choosing the Motorola HT820 stereo headset with *Bluetooth* technology!

Export Law Assurances

This product is controlled under the export regulations of the United States of America and Canada. The Governments of the United States of America and Canada may restrict the exportation or re-exportation of this product to certain destinations. For further information contact the U.S. Department of Commerce or the Canadian Department of Foreign Affairs and International Trade.

The use of wireless devices and their accessories may be prohibited or restricted in certain areas. Always obey the laws and regulations on the use of these products.

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Safety and General Information

IMPORTANT INFORMATION ON SAFE AND EFFICIENT OPERATION. READ THIS INFORMATION BEFORE USING YOUR DEVICE.

Users are not permitted to make changes or modify the device in any way. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. See 47 CFR Sec. 15.21.

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. See 47 CFR Sec. 15.19(3).

Electromagnetic Interference/Compatibility

Note: Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed, or otherwise configured for electromagnetic compatibility.

Facilities

To avoid electromagnetic interference and/or compatibility conflicts, turn off your device in any facility where posted

notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external radio frequency (RF) energy.

Aircraft

When instructed to do so, turn off your device when on board an aircraft. Any use of a device must be in accordance with applicable regulations per airline crew instructions.

Medical Devices

Hearing Aids

Some devices may interfere with some hearing aids. In the event of such interference, you may want to consult with your hearing aid manufacturer to discuss alternatives.

Other Medical Devices

If you use any other personal medical

device, consult the manufacturer of your device to determine if it is adequately shielded from RF energy. Your physician may be able to assist you in obtaining this information.

Industry Canada Notice to Users

Operation is subject to the following two conditions: (1) This device may not cause interference and (2) This device must accept any interference, including interference that may cause undesired operation of the device. See Ref IC: RSS 210 Sec. 5.11. The term "IC:" before the certification/registration number signifies that registration was performed based on a Declaration of Conformity indicating that Industry Canada technical specifications were

met. It does not imply that Industry Canada approved the equipment. See Ref IC Self-Marking 6(f) and RSP-100 Sec. 4.

FCC Notice to Users

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, you are 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 the receiver.
- Connect the equipment to 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.

Introduction

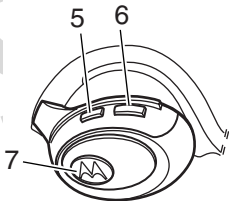
Headset Features






Headset Music Controls (Left Side)

- 1—Skip Reverse Button** ◀ Allows you to skip back to the previous music track.
- 2—Skip Forward Button** ▶ Allows you to skip forward to the next music track.
- 3—Play/Pause/Stop** ⏸ Allows you to play, pause, or stop music.

- 4—Headset Jack** Allows you to connect non Bluetooth devices to your stereo headset.



Headset Call Controls (Right Side)

- 5—Volume Up Button** 
- 6—Volume Down Button** 
- 7—Multifunction Button (MFB)** 
- Used to answer and end calls. Also used for other phone call functions.

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Using Your Headset

Charging Your Headset

First-Time Use—Before you can use your headset, you need to charge its self-contained battery for two hours.

Recharging—When you hear five rapid high tones through the headset speaker, repeated at 20-second intervals, the headset battery needs to be recharged.

Over time, batteries gradually wear down and require longer charging times. This is normal. The more you talk on the phone with the headset, the less standby time your battery has.

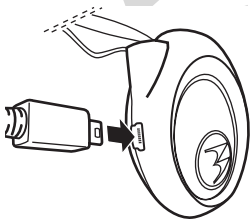


The rechargeable batteries that power this product must be disposed of properly and may need to be recycled. Contact your local recycling center for proper disposal methods. Never dispose of batteries in a fire because they may explode.

How to Charge

Action

- 1 Plug the Motorola charger into your headset.



Action

- 2 Plug the other end of the charger into an electrical outlet.

While charging, the headset indicator turns on and remains on until charging is complete. The headset will not function while charging. Your headset fully charges in approximately 2 hours.

- 3 When charging is complete (indicators off), remove the charger from the electrical outlet, and detach the charger cord from the headset.
-
-

Note: You can also use a Motorola Original™ Vehicle Power Adapter to charge your headset while in your vehicle.

A fully charged headset battery provides approximately:

- Stereo music listening time – 12 hours
- Phone call talk time – 15 hours
- standby time – 200 hours

Pairing Your Headset and Phone


Note: You must pair your headset and phone before you can make a call.

“Pairing” creates a link between devices equipped with *Bluetooth*

wireless technology and allows the phone to remember your headset's unique ID. After your headset and phone are paired, your headset automatically connects to your phone any time you turn it on.

With your headset and phone in close proximity:

Step

- 1 Put your headset into pairing mode.
 - a With the headset off, press and hold the Multifunction Button  until the headset indicator turns on and remains on (about 6 seconds).
-

Step

2 Perform a *device discovery* from the phone.

For details on device discovery for your phone, refer to the phone's user's guide.

When the scan is complete, the phone displays the devices found.

3 Select the Motorola HT820 from the discovered devices list and confirm following the on screen prompts.

4 When prompted by the phone, enter the passkey 0000 and confirm to pair the headset with the phone.

The device ID is now stored in the phone's memory.

Pairing is successful when the headset indicator flashes 10 times rapidly.

Pairing to Additional Devices

Use the procedure “Pairing Your Headset and Phone” on page 16 to pair your headset to a stereo music source. The music source must support streaming stereo audio over Bluetooth.

Your headset can store pairing information for up to eight different devices that have *Bluetooth* wireless technology. Devices are stored in a “Paired Device List” in memory in chronological order. When an attempt to pair to more than eight devices is made, the oldest paired device is removed from the list.

Any of the eight paired devices can initiate a paired connection to your headset.

When you turn on your headset it will only automatically initiate a paired connection with the **last** hands free device (such as a mobile phone) and the last music source it was **connected to**. If you want to connect your headset to another device in the paired device list, you must initiate the connection from that device. When any one of the eight devices initiates a connection to the headset afterwards, that device then becomes the “last connected” device.

Wearing Your Headset

Your Motorola Bluetooth Stereo Headset is designed to be worn comfortably with the neckband behind your head. The microphone is hidden inside the right ear cup. Digital signal

processing is used for clear pickup of your voice.

Controlling Headset Volume




Press the volume + or - button repeatedly until you reach the desired volume level.

Making and Receiving Calls

Your headset supports both Handsfree and Headset Profiles. Accessing call functions depends on which profile your phone supports.

Note: Some phones do not support all features listed. Please consult your phone user's guide.

You can activate call functions according to the following table:

Device Status		
Phone	Headset	Action
Enter Pairing Mode:		
On	Off	Press & hold  (MFB) for 5 seconds until LED remains on. Release  .
Make a Voice Dial Call:		
On in idle	On	Short press  , speak name, phone dials call.
Dial a Number:		
On— the user dials a number on phone.	On	Press SEND on the phone to complete the call.

Device Status		
Phone	Headset	Action
Redial a Number:		
On-Idle	On-(Idle)	Long press Ⓜ
End a Call:		
On-in call	On	Short press Ⓜ
Put Active Call On Hold:		
On-in call	On	Long press Ⓜ
Put Active Call On Hold:		
On-in call	On	Long press Ⓜ
Receive a Call:		
On-phone rings	On	Short press Ⓜ (call is answered)

Device Status

Phone

Headset

Action

Reject a Call:

On-phone rings

On

Long press (M)

Answer 2nd incoming call:

On-in call, 2nd call coming in

On


Long press (M), places 1st call on hold, answers incoming call

Toggle between two active calls:

On-in call, 2nd call on hold

On

Long press (M)

Device Status		
Phone	Headset	Action
Join two calls (3-way calling):		
On - in call, 2nd call on hold	On	Press both Volume buttons simultaneously. Both calls will become active.
Transfer call from phone to Headset:		
On-in call	On	Short press  , (call transferred to headset)

Note: If the link is abnormally disconnected (for example, out of range) the headset tries to reestablish the link.



Music Controls

When the headset is on a phone call, the music control buttons are disabled.



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Music Control Functions

When headset is Idle:






Press	Result
 play/pause short press	Headset commands remote source to start playing music.
 MFB	headset controls phone functions

When headset is playing music from a remote source:


Press	Result
	Go to previous track.
	Go to next track.

Press	Result
Ⓜ play/pause (short press play)	Pause music
Ⓜ Stop (long press)	Stop music
Ⓜ MFB	Stop music and open a hands free connection to phone.

When music track is paused:

Press	Result
	Go to previous track.
	Go to next track.
 play/pause (short press play)	Restart music track.
 Stop (Long press)	Stop music
 MFB	Stop music and open a hands free connection to phone.

When headset is in a phone call and music paused:

Press	Result
 MFB (end call)	Phone ends call. Music play resumes.

Headset Indicators

There are two lights on the HT820, one on the left in the Multifunction Button, and one on the right in the Play/Pause/Stop button. These lights indicate the following conditions:

When the charger cord is plugged in:

Headset Indicators	Headset
ON	Battery Charging

Headset Indicators		Headset
OFF		Charging complete

When no charger cord attached:

Headset Indicator		
MFB Button	Play Button	Headset Mode
OFF	OFF	Power off
ON (steady)	OFF	Pairing mode
10 rapid flashes	OFF	Pairing successful
Flashes every 3 seconds	OFF	standby (not on a call) no audio.

Headset Indicator		
MFB Button	Play Button	Headset Mode
Flashes every 8 seconds	OFF	connected (on a call) Phone Audio
Flashes every 8 seconds	Flashes every 8 seconds	Music mode

Note: When your wireless headset is paired to your phone and there is no activity for 5 minutes, the blue flashing LED turns off. Any button press on the headset turns on your headset and it resumes the flashing. You can disable the Headset Indicators by pressing the FF and REW buttons simultaneously. The Headset Indicators can be turned

back on by pressing the FF and REW buttons simultaneously again.

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Audio Tones

Audio Tone	Headset Status
One high tone when pressing volume button	Volume maximum or minimum reached
Five rapid high tones, repeated every 20 seconds	Low battery
No audio indications; deteriorating audio quality	Out of range
Series of 4 tones, low to high	Audio link open (Headset mode), active call (Hands Free mode)
Ring tone	Incoming call
Single high tone	Pairing confirmation

Audio Tone	Headset Status
One low tone	Initiate voice activation
Dual high/low tone	Voice tag not recognized
One high tone	End call
Series of 4 tones, high to low	Audio link closed (Headset mode), call ended (Handsfree mode)
Fast high/low tone every 5 seconds (max. & min. volume confirm beep)	No network/service
No tone	Power ON/OFF

Connecting To A Music Device Using The Included Stereo Audio Cable

There is a headset jack connector on the HT820 that allows the headset to plug in to either a stereo music player or a multimedia phone. The volume buttons on the stereo headset do not control the volume of the inline audio. All volume control of the inline audio is done through the input device.

Presence of the inline stereo audio will not disable the Bluetooth link between your mobile phone and your HT820. If your phone rings, your HT820 mutes the music and lets you answer the call with

the HT820. When the call ends, the headset unmutes the stereo music.

Airplane Mode

Your HT820 can be used to listen to music through the inline stereo connector even when switched off. The Bluetooth link will be ended but inline audio will still function.

Low Battery

If the headset battery is discharged, the inline audio function will not work until the battery has been recharged.

Range

Your HT820 headset conforms to Bluetooth power class 2 for a range of 30 feet (10m). The range of the headset is extended to 150 feet (50m) when

used with a Bluetooth power class 1 device such as the Motorola DC800 Bluetooth Transceiver or USB PC Adapter PC850 (see next page).

Other Motorola Bluetooth Stereo Products

DC800 Bluetooth Transceiver

- The Motorola Bluetooth Stereo Transceiver connects to your home stereo turning it into a wireless music system!
- Listen to music from your phone's built-in MP3 player over your home stereo speakers
- Play music on your home stereo and send the music wirelessly to your Motorola Bluetooth Stereo Headset HT820

- The Stereo Transceiver supports high power Bluetooth (Class 1) which allows you to roam up to 150 feet (50 meters) away while listening to crystal clear digital music
- Stream MP3's from your home computer or laptop and play them over your home stereo speakers by using the Motorola USB PC Adapter PC850

Motorola USB PC Adapter PC850

- Fully Bluetooth 1.2 compliant
- USB 1.1 connection to PC
- Speeds up to 720kbps
- Windows 98SE, ME, 2000, XP compatible

Supports stereo audio, synchronization, file transfer, dial up networking, and other profiles

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