INTERPHONE F4XT Bluetooth Helmet Intercom User Manual

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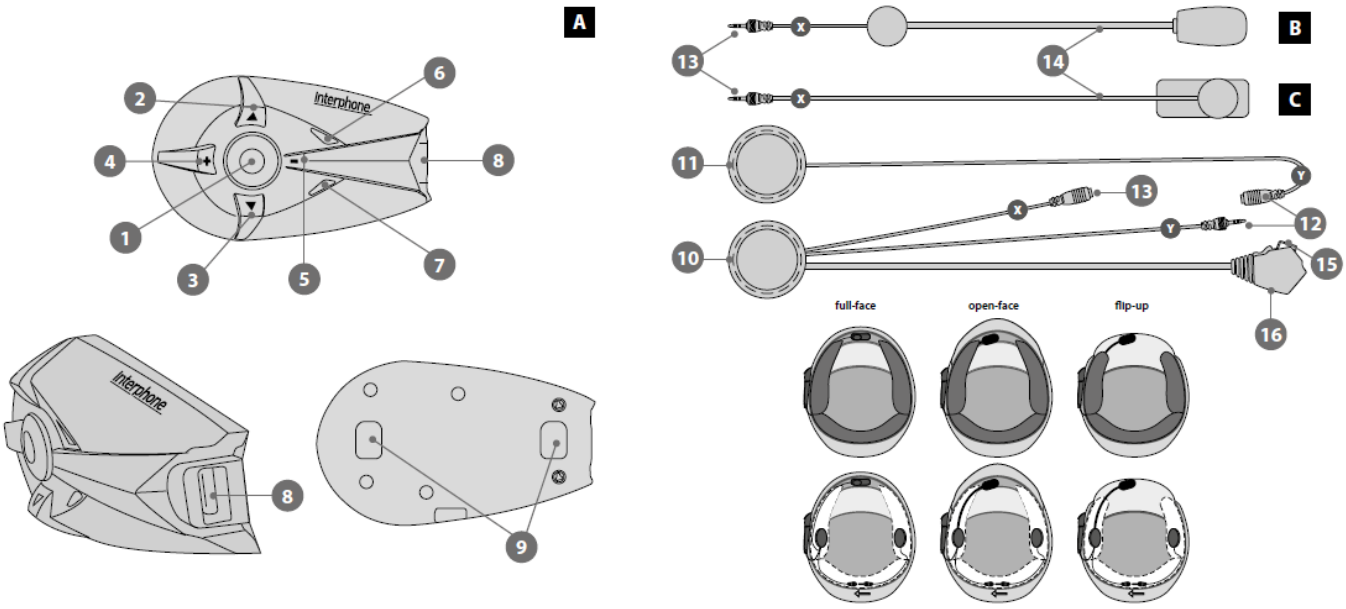
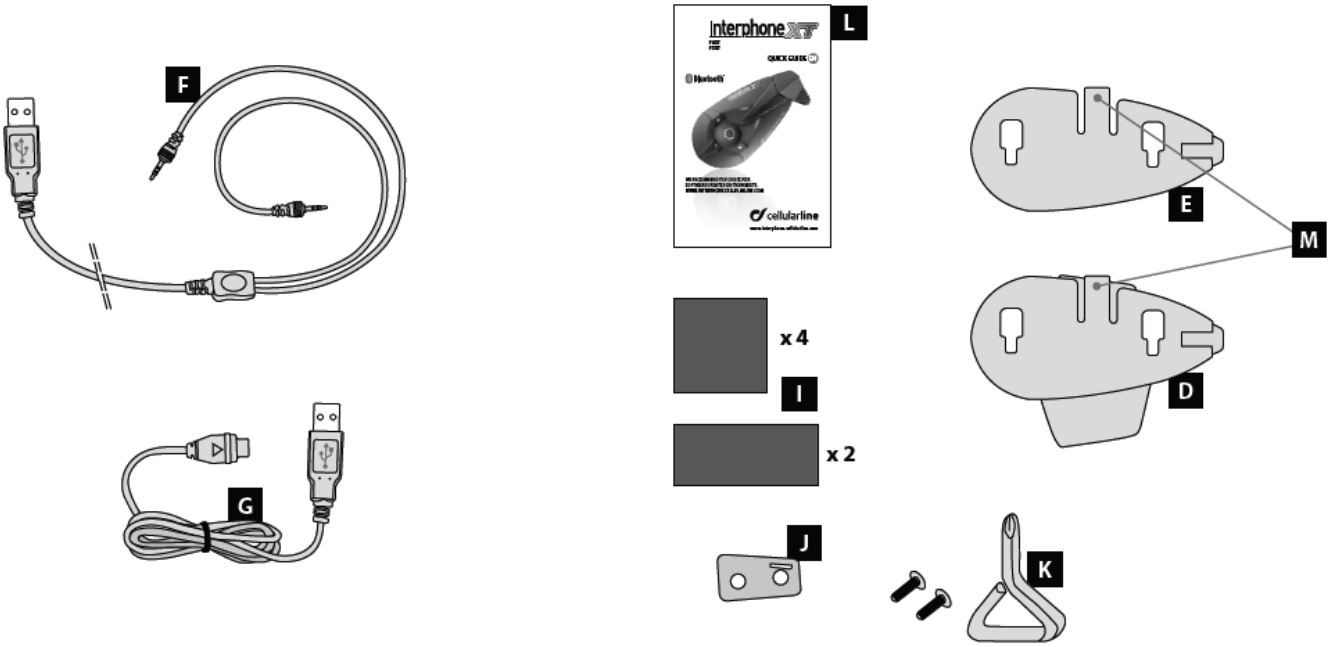
F4XT Bluetooth Helmet Intercom

User Manual

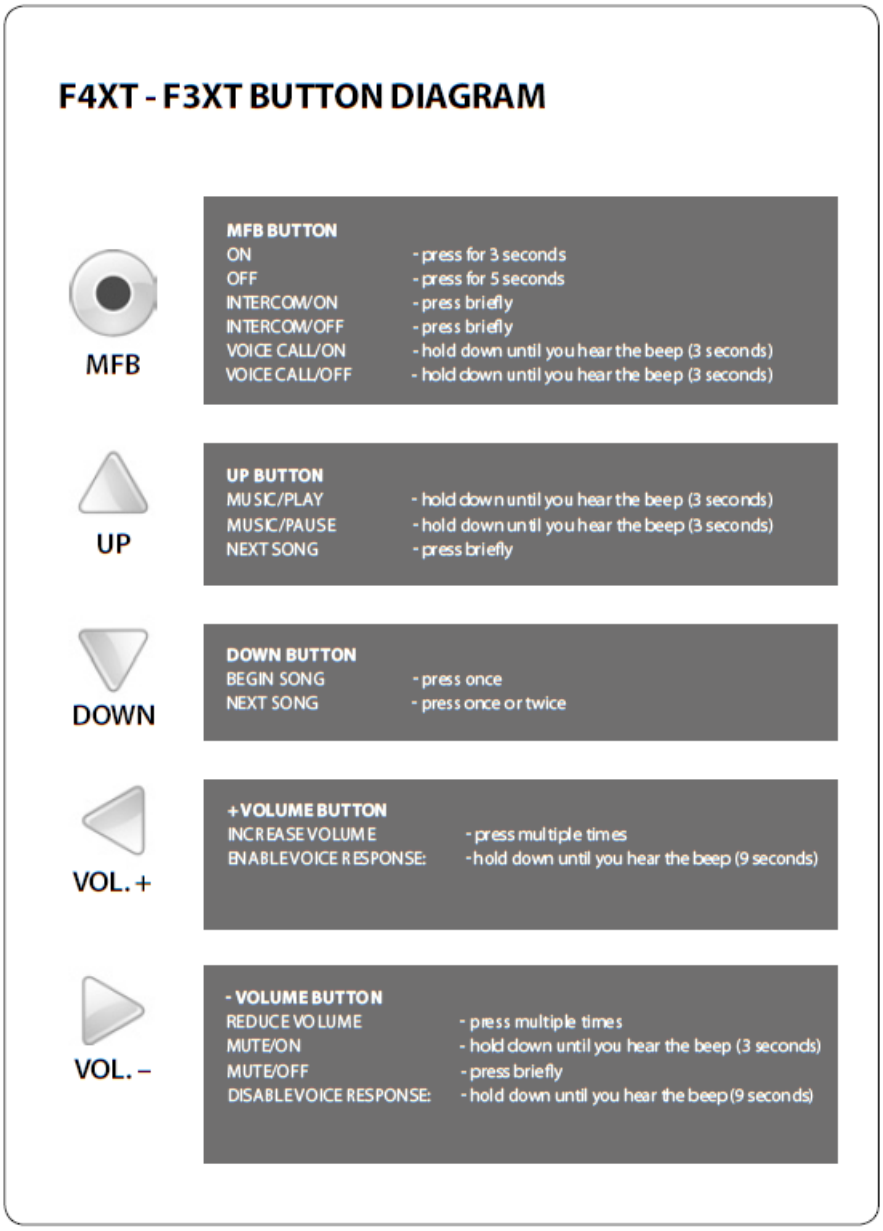
Contents of the package





a) Bluetooth® control panel
b) Stereo earphone equipped with a microphone with foam windscreen, on a flexible arm (universal)
c) Stereo earphone with wired microphone for full-face helmets
d) Removable clip-on support
e) Permanent adhesive-based support
f) USB cable for recharging
g) USB cable for updating
i) Velcro adhesive strips
j) Clip adapter
k) Screwdriver
l) Instruction manual

NOTES: in the package containing two F4XT kits, components a – b – c- d – e – i – j – k are doubled.



INTERPHONE F4XT is a Bluetooth® helmet system for entertainment and information while driving a motorcycle.
INTERPHONE F4XT is compatible with all mobile phones and GPS navigators with Bluetooth® technology.
The module is covered by a special Weather Protection Skin membrane making it fully waterproof. Its aerodynamics have been designed to avoid any disturbances generated by air turbulence, and to allow water, if raining, to slide away.
Its controls and shape have been designed to allow for quick and easy identification and access while riding wearing gloves.

INSTALLATION

INTERPHONE F4XT can be installed on any helmet, without affecting its structure or finish. Once installed, it can be re-moved at any time. INTERPHONE F4XT does not change the helmet's certification.

WHILE DRIVING

Always give priority to driving your vehicle, not to telephone calls.
During a telephone conversation, or while using the intercom, reduce your speed and concentrate on your driving.
In bad weather and/or heavy traffic, we recommend pulling over and stopping before answering.
Always ride carefully and in accordance with the current highway code.

WHEN STOPPED

To avoid theft, if leaving the helmet on the motorcycle, IN-TERPHONE F4XT is fitted with a quick release button to al-low you to remove the external Bluetooth® module and take it with you.

FUNCTIONS

Telephone functions

- Dualphone speaker connection with 2 phones simultaneously
- Voice response
- Voice call

Intercom Functions

- Bike-Bike or driver-passenger intercom connection
- Compatibility with other Interphone or InterphoneF4XT devices
- Intercom communication with button for activation
- Phone call notification

GPS functions

- Bluetooth® GPS audio instructions
- Phone call notification

Stereo functions

- Wireless hi-fi stereo connection with mobile phones and Bluetooth® A2DP MP3 players
- Music control using InterphoneF4XT buttons
- Automatic resumption of the song from the exact point when temporarily interrupted
- Phone call notification

CHARACTERISTICS

- Full duplex communication
- DSP filter (digital cancellation of wind and background noise)
- Automatic volume adjustment (speed and noise compensation)
- Fully waterproof (IP67)
- Installation in just 5 minutes
- Removable control panel
- Lithium battery
- **Active use autonomy:** up to 12 hours (Considering that the average use time, alternating the various functions, is shorter)
- **Standby duration:** up to 700 hours
- **Recharge time:** 3 hours

- **Weight:** 83g including ear phones and microphone

NOTES ON AUTONOMY
Active use autonomy is indicative. It has been calculated by alternating the use of all the INTERPHONE F4XT functions and, given the varied use of these; it can vary significantly from one use to another.

During Intercom communication, one of the two Interphone or INTERPHONE F4XT devices has greater battery consumption: this phenomenon is due to the wireless search procedure the one of the control units performs to remain connected to the other and can also lead to 60/90 minute autonomy difference.

On long journeys, to optimise battery duration, we advise enabling Intercom mode only when you wish to communicate, remaining in stand-by or an alternative mode when not actually communicating.

Product description

InterphoneF4XT Bluetooth® module

1) Multi-purpose button
2) Menu UP button
3) Menu DOWN button
4) + Volume button
5) – Volume button
6) Multifunction LED
7) Multifunction LED
8) Multifunction socket
9) Bluetooth® module connection guide

Audio unit for open-face, modular and full-face helmets:
10) Left earphone
11) Right earphone
12) Left/Right earphone connectors
13) Microphone connectors (B or C)
14) Microphone with foam windscreen
15) Connection plug
16) Recharge socket

Care and maintenance

If not using the kit for long periods of time, the battery must be charged every two/three months, to avoid damage.

To clean, use a damp sponge and mild soap, if necessary. Do not use solvents or degreasing products to clean the module.

Important note: to prevent water from seeping in through the audio connector and damaging the module during cleaning, be sure to insert the plug from the audio section into the socket, as when the unit is installed and used on the helmet. The kit is watertight only when the audio plug is inserted.

WARNINGS: If radio interference is high due to the vicinity of repeaters, high voltage towers or various kinds of radio signals, intercom communication and/or the InterphoneF4XT device itself could shut down.

To restore operation, try moving away from the area of interference and/or turn the InterphoneF4XT off and then back on.

Assistance and Warranty

This product is covered by a warranty that complies with the laws in the country where the unit was purchased.

All information necessary for product assistance or spare parts can be found on our website
www.interphone.cellularline.com

1.0 Preparati on/assembly
InterphoneF4XT is a modular audio kit made up of a Bluetooth ® module (the core of the system) (A), a double slide support system for the module (E/D) and an audio kit with a double microphone to be installed inside the helmet (C/B) Before configuring the InterphoneF4XT, you should check the website for software updates that could improve the performance of the F4XT. If there are any updates, installation is recommended.

Verify compatibility with the operating system on your PC, then download the file and the attached instructions that will guide you through the update process.

1.1 Mounting the bracket on the helmet

The InterphoneF4XT has two mounting systems (small plates) (E/D) that you can install on the helmet. Choose the system that is better suited to the type of helmet you are using.

Equipped with a sliding latch system, the plates support and lock the F4XT Bluetooth® module into position. One system is applied using an adhesive system (E), and the other uses a clip (D).
Thanks to the sliding latch system on the plates, the F4XT module can easily be removed for recharging, updating, security against theft, and use on other helmets that have already been prepared with other kits designed for each type of helmet.

The kits for an additional helmet all consist of an audio section with earphones/microphone, along with two support plates for the module.

The kits for an additional helmet are optional and can have a different structure and operation. For more information, consult the accessory section on our website, **www.interphone.cellularline.com**
We recommend using the adhesive plate (E) since it is more aerodynamic and can be placed wherever you like on the surface of the helmet. This allows you to choose point that best suits the shape of the helmet shell to maximize appearance and adhesion.

On the other hand, the adhesive plate cannot be repositioned. Once it is applied, it cannot be removed because the 3M adhesive that provides its excellent holding power does not allow for a change of position. If the plate is removed, it must be replaced with a new one.
Carefully choose the most suitable point before application.

The clip-on plate (D) is better for those who do not want to apply permanent adhesive to their helmet or would like to be able to remove the plate and use the helmet with no accessories installed.

The clip-on plate requires that the helmet allow part of the plate to be inserted between helmet shell and cheekpad. The cheekpads on some helmets are glued or have special seals that prevent the plate from being inserted correctly or require the helmet to be modified, which not everyone is willing to do. In these cases, it's better to choose the adhesive plate.
Both brackets can only be installed on the left side of the helmet.

Installation with (adhesive) plate
Take the adhesive plate, but do not remove the protective film on the back. Place the plate on the left side of the hel-met shell. Now, move it around and find the position where it will adhere and function best. Before applying it,

mount the F4XT module on the plate and check whether the po-sition you chose could disturb the driver by causing interfe-rence or discomfort (check visor, opening, etc…).

Carefully clean and degrease the point chosen for applying the plate. Do not use strong detergents that could ruin the paint on the helmet. After cleaning the helmet shell, remo-ve the protective film from the double-sided adhesive strip and apply the plate on the helmet. Press quickly on the plate to attach the strip firmly.

After application, it is a good idea to let the 3M adhesive act on the helmet for 12 hours before using the helmet.

Installation with the clip-on (removable) plate
Check the type of helmet you have and make sure that the clip can be inserted between helmet shell and cheekpad. Otherwise, use the adhesive plate.

Take the clip-on plate, loosen the two screws and remove the rear section.
On the left side of the helmet, locate the most suitable point for inserting the clip, slide the rear section of the clip in between the helmet shell and the cheekpad, and let the end (with the holes for the screws) protrude on the outside. Now, try to join the front section of the clip onto the rear section. Depending on the thickness/radius of the helmet, it may be necessary to use the adapter (J) to compensate for the distance between the two sections so that the clip still adheres to the helmet shell when the screws are tightened. Tighten the screws with the screwdriver provided. Do not use excessive force when tightening the screws. You could break all or part of the clip.

If you are also using the adapter for the clip, you must repla-ce the two screws installed in the clip with the longer ones supplied with the unit.

1.2 Audio section (microphone/earphones) (C/B)

InterphoneF4XT with audio kit with two microphones, connected to the earphone with a mini jack to be able to choose the most suitable based on the type of helmet. This makes mounting easy and possible on open-face and mo-dular as well as full-face helmets.
Open-face/modular helmets use the kit with the micropho-ne mounted on a flexible metal arm (B), since the arm must remain suspended in front of the user's mouth. Full-face helmets use the audio kit with the microphone connected to the earphone by a thin wire (C) that can be handled and hidden easily during installation. The microphone is encap-sulated in a strip of flexible rubber and is applied on the inside of the chin strap with adhesive or Velcro, in front of the user's mouth.
The right earphone is connected to the audio section with a moveable mini-jack. Use only the left earphone in countries where the use of a double earphone is prohibited.
Installing the audio section
Wear the helmet and locate the exact point where your ears are positioned inside.
If the internal fabric of the helmet allows it, try to apply the two earphones in the audio kit directly at the points you de-termined. The Velcro on the back of the earphone will often adhere perfectly to the material in the helmet without the need to use the fabric strip (I) with double-adhesive. Other-wise, if the material is unmanageable, apply the strip of fa-bric at the point you previously determined and place the earphone on the strip.
Put on the helmet once again and check whether the earphones are correctly positioned. They must be centred and come slightly in contact with your ears.
If the helmet allows it, it's a good idea to insert the earpho-nes under the cheekpad fabric, which requires more time and care to accomplish but makes the internal kit almost invisible and more comfortable.

Thread the cable with plug under the cheekpad and around the helmet while trying not to lay it over itself or twist it. Then, pull it out on the left side as far as it will go. Afterwards, when the plug is connected to the F4XT module mounted on the support, you can push the excess cable back inside and leave only as much as you need on the outside.

Microphone on open-face/modular helmets (B) – if possible, slide the microphone arm through the hole in the chin strap and below the cheekpad so that the microphone is more stable and less obtrusive. It should be possible to

position the microphone with foam windscreen (14) in front of your mouth, but it may be left slightly to the side of the mouth.

After installation is complete, make sure that the wording MIC on the foam windscreen on the microphone arm faces your mouth and preferably points toward your eyes. Microphone on full-face helmets (C) – the wire from the microphone must exit from under the cheekpad, and the microphone (14) must be installed on the inside of the chin guard and in front of the mouth.
Make sure that the microphone as installed does not block any ventilation holes, and check that the ventilation holes are not pointing directly at the microphone.

The microphone can be installed directly using the built-in double-sided tape (fixed mounting).

1.3 Recharging

The InterphoneF4XT must be charged before use.
Once mounted on the helmet, connect the recharger cable provided (F) to a USB port, then insert the recharger cable plug into the outlet on the audio kit connector (16) correctly inserted in the InterphoneF4XT module.

The charge LED turns orange (7) during charging.
When the battery is fully charged, the LED will turn green. About two hours are needed to charge the F4XT module completely. Two modules can be charged together in around three hours.

We recommend turning the module off before recharging the F4XT.

1.4 Turning on/off

TURNING ON
Press and hold the MFB button for approximately 3 seconds. The speaker will sound an acoustic warning and the LEDs will begin flashing quickly for around 3 seconds.
Subsequently, in stand-by mode, the LED will flash approxi-mately once every 5 seconds.

TURNING OFF
Press and hold the MFB button. The speaker will sound a pro-longed acoustic warning and the LED will flash red prior to turning off.

2. PAIRING

2.1 Telephone

Pairing
The INTERPHONE F4XT can be paired to a mobile phone. After having turned the INTERPHONE F4XT off, press and hold the MFB button until the warning light alternates red and blue flashes. This will take about 8 seconds.

When the light is flashing red/blue alternately perform the device search from your telephone (refer to the telephone or navigator manual).

The telephone or navigator will detect the INTERPHONE F4XT. Simply select it, and enter the numerical code 0000. To use with a mobile telephone and GPS navigator at the same time, see point 2.4.

2.2 Intercom

Pairing
After having turned the INTERPHONE F4XT off, press and hold the MFB button until the warning light alternates red and blue flashes. This will take about 8 seconds.
When both LEDs flash red/blue alternately, press and release the MFB button on one of the two INTERPHONE F4XTs. The two INTERPHONE F4XTs are connected when both LEDs show a fixed blue light.

2.3 Audio GPS

Pairing

For an audio connection, GPS NAVIGATORS use the TELEPHO-NE (headset) profile: to pair the phone during use of the navigator you must use the specific function on the GPS device. For further information and settings, please consult the navigator manual.

3. USE

3.1 Telephone function

To answer a call: when a call comes in, the speaker sounds a warning tone or the telephone ring: to answer, briefly press the MFB button.
To end a call: simply press and release the MFB button. Voice call: some telephones allow you to make a voice call simply by pressing and releasing the MFB button.
To refuse a call: press and hold the MFB button for approxi-mately 4 seconds.
To refuse a call in VOX mode follow the instructions in the VOX FUNCTIONS section.
Volume adjustments: to adjust the volume, press the Volume + or Volume – keys depending upon the volume desired.

3.2 Intercom function

To enable the Intercom function: to activate a conversation in the Intercom profile, press the MFB button on one of the two INTERPHONE F4XTs, and hold for about 3 seconds. An audible warning will advise you when connection has occurred. Conversation in intercom mode is full-duplex.

To disable intercom function, simply press and release the MFB button.
Volume adjustments: to adjust the volume, press the Volume + or Volume – keys depending upon the volume desired.

3.3 Telephone + Intercom function

With this combination, the connection to the telephone function takes priority.

During a telephone conversation, intercom communication is not permitted.
In order to activate the Intercom function, no telephone call must be under way: press the MFB button for about 3 seconds. An audible signal will advise you that connection has been made. Conversation in intercom mode is full-duplex.

To end a conversation in intercom mode, simply press and release the MFB button.
During an intercom conversation, you can answer or refuse an incoming telephone call. Intercom communication will be interrupted and re-activated automatically at the end of the call.

- To answer a telephone call, press and release the MFB but-ton.
- To end a telephone call, press and release the MFB button.
- To refuse the incoming call, press and hold the MFB button
- To adjust the volume, press the Volume + or Volume – keys depending upon the volume desired.

3.4 Voice response (VOX)

The voice response function allows you to answer a call without having to press any buttons.
Voice response activation: press and hold the Volume + button until the third beep. An acoustic sound will advise you that the operation is complete.
Voice response deactivation: press and hold the Volume -button until the third beep. An acoustic sound will advise you that the operation is complete.
To answer a call: when receiving a call, simply say a word (e.g. ‘HELLO’) within ten seconds, to activate the line.
To refuse a call: when receiving a call, simply allow ten seconds to pass and it will be refused.

3.5 Voice call
The voice call function allows you to make a call without using the telephone keys. INTERPHONE F4XT is compatible with the voice call functions on various Bluetooth® mobile phones. To activate it and access the commands, refer to the mobile phone instruction manual.
Please refer to Use – Telephone section.

3.6 Bluetooth® Music
If you've paired a mobile phone or GPS unit that can handle MP3 files and send them using the A2DP Bluetooth® stereo profile, you can listen and manage music from the F4XT. You can play/pause by pressing the UP button for two seconds, forward/reverse through songs by briefly pressing the UP or DOWN buttons, and adjust the volume by pressing the buttons repeatedly until the desired level is reached. Music cannot be shared by two or more users. Each user can only listen to and control the music coming from his or her player.
If you don't have a phone, or if your phone does not have MP3/Bluetooth®, you can use an MP3 Bluetooth® player to send audio using the A2DP stereo profile.

WE RECOMMEND CHECKING FOR
UPDATES ON THE WEBSITE
WWW.INTERPHONE.CELLULARLINE.COM

Federal Communications Commission (FCC) Statement

Industry Canada (IC) Statement
You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

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/IC 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 par-ticular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the (Applicable in those countries of the European Union with recycling systems)

The symbol shown on this product or on its documents indicates that the product must not be disposed of with other domestic refuse at the end of its life cycle. To avoid damage to the environment or to health caused by the inappropriate disposal of refuse, the user is requested to separate this product from other refuse and to recycle it responsibly to favour the sustainable re-use of material resources.

Domestic users are invited to contact the sales point where the product was purchased or the local office with information regarding recycling of this type of product.

Business users are invited to contact their suppliers and to check terms and conditions of purchase. This product must not be disposed of together with other commercial refuse.

the R & TTE Directive (99/5/EC). Cellular Italia S.p.A. hereby declares that this product conforms to essential standards and other norms under Directive 1999/5/EC. The user is forbidden from making variations or modifications of any kind to the device. Any variations or modifications not expressly approved by Cellular Italia S.p.A. will cancel the user's authorisation for the use of the device. The Bluetooth® trademark is the property of Bluetooth® SIG, Inc.
For further information please consult **http://www.cellularline.com**

This product has an embedded, non-replaceable battery, do not at-tempt to open the product or remove the battery as this may cause in-jury and damage the product. Please contact the local recycling facility for removal of

the battery. The embedded, non-replaceable battery is designed to last the life time of the product.

equipment off and on, the user is encouraged to try to correct the inter-ference 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.

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.

FCC/IC RF Radiation Exposure Statement:
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

NOTE
For excellent waterproofing, apply a thin layer of silicone on the parts highlighted in the image below.

Made in Philippines
Model: BTMOTOF4XT
FCC ID: QVNBTMOTOF4XT
IC: 7717A-BTMOTOF4XT
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