

BTX2 FM

ADVANCED INTERCOM SYSTEM



INSTRUCTION GUIDE



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MIDLAND BTX2 FM

Advanced Intercom System

BTX2 FM is an intercom communication system solution for motor cyclists. The design is very slim and aerodynamic, all the main functions are easy to operate thanks to the big three buttons placed on the front of the unit.

BTX2 FM is fixed on the helmet using the adhesive plate or the screw mounting clamp. Thanks to the audio kit with ultra slim speakers you can enjoy high quality stereo music while riding.

Main features

- › Intercom driver - passanger or bike to bike (800mt).
- › Connect up to 4 people for intercom communication (using Talk2All-Universal Intercom)
- › FM Radio with RDS
- › Connect your phone to receive and place phone call and listen to stereo music
- › Connect your GPS for voice street indication
- › Connection for PMR466 radio with internal or external Bluetooth
- › AUX wired connection for MP3 player and PMR446 radio
- › Setup and Firmware update via USB connection to a PC

Midland BTX2 FM is available in two versions:

- › Single BTX2 FM Intercom kit with one unit only
- › Twin BTX2 FM Intercom kit with two units

Depending on the model purchased, the package contains the following parts:

BTX2 FM single

- › 1 BTX2 FM communication unit
- › 1 audio kit with two stereo speakers, microphone with boom and wired microphone
- › 1 plate with bi-adhesive strip to fix the unit onto the helmet
- › 1 clamp to fix the unit onto the helmet
- › 1 stereo audio cable for iPod/ or other MP3 players
- › 1 miniUSB wall-mounting power supply

BTX2 FM Twin

- › 2 BTX2 FM communication units
- › 2 audio kits with two stereo speakers, microphone with boom and wired microphone
- › 2 plates with bi-adhesive strip to fix the unit onto the helmet
- › 2 clamps to fix the unit onto the helmet
- › 2 stereo audio cables for iPod/ or other MP3 players
- › 1 miniUSB wall-mounting power supply with double plug

The units included in the TWIN kit are already paired and can therefore be immediately used in Intercom mode.

2 - Midland BTX2 FM

Technical specifications of Midland BTX2 FM

General:

- › **Bluetooth ver. 3.0** stereo (Headset/Handsfree/A2DP protocol)
- › AGC system automatically controls the volume in relation to background noise
- › Voice (VOX) or manual communications activation
- › Manual controls to enable: telephone, intercom and wire connection
- › Fully waterproof
- › Lithium battery with 12 hours talk time
- › Recharge time: app. 6 hours

Bluetooth connections:

With identical device for Driver to Passanger or Bike to Bike Intercom

Bluetooth devices:

- › Mobile phone with MP3 player Stereo (A2DP protocol) and GPS navigator
- › PMR446 transceivers (with built-in or external Bluetooth connection) for group bike-to-bike communications

Wire connections:

- › For stereo audio input like iPod/MP3 player (with optional cable)
- › For PMR446 transceivers (with optional cable)

Attention: *Midland BTX2 FM is designed to withstand rain and water. However, if it is raining, always verify that the rubber caps protecting the sockets are fully fitted.*

Charging batteries

Attention: *Make sure that the unit is fully charged before use. Allow at least 8 hours for a full charge before using the unit for the first time.*

Charge the unit by inserting the wall-charger into the charging socket (lift the rubber cover to insert the plug).

The red LED on the unit will start flashing when charging begins.

Allow the headset to charge until the unit stops flashing or the blue LED turns on. When the charge is complete (the red LED is not flashing), release the headset from the charger.

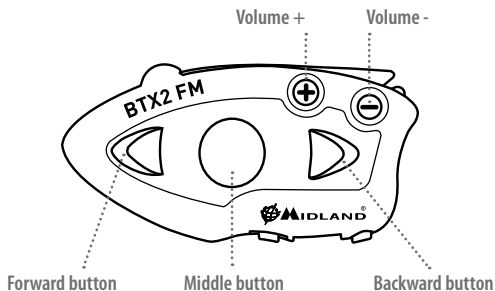
Normally, after the first time, it takes 6 hours for a full charge.

Attention: every time the mini USB recharging plug is inserted (or detached), the device is automatically turned off. To use it while it is in charge, you should turn the device on with the plug already inserted.

Unit and fixing system description

BTX2 FM description

The BTX2 FM has five buttons on the front; the main three big button are multi functions buttons: the Forward (on the left), the middle button and the "Backward" (on the right), the two small rounded buttons are the Volume + and Volume -.



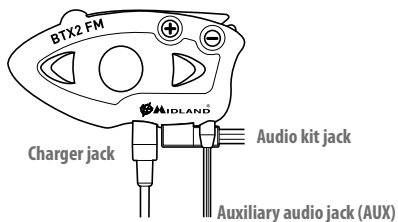
Description of the wired connections

On the bottom of the unit you can find three wired connection:

Charger jack: enables to recharge the unit using a standard miniUSB power supply

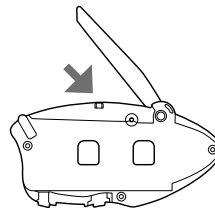
Audio kit jack: enable to connect an audio kit (stereo headset and microphone)

Auxiliary audio jack (AUX) 2.5mm: can be used to connect an audio source, like a stereo iPod/MP3 player or PMR446 transceiver

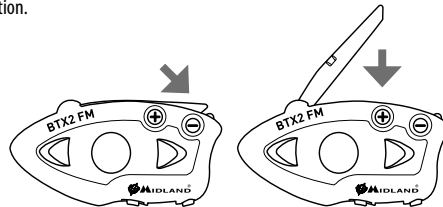


In addition the BTX2 FM has a flip up antenna on the top for maximum distance performance.

To lift the antenna, press gently backward and the antenna will automatically lift up.

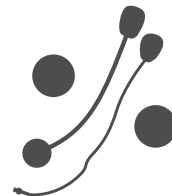


To close the antenna just press it down and be sure to move it back into the closed position.



Description of the audio kit

The audio system includes two ultra-flat stereo speakers and two interchangeable microphones, which are both supplied with a bracket and wired connection.



Fixing the stereo speakers

The two stereo speakers have a Velcro/adhesive strip that aids their fixing into your helmet.

Beware not to completely cover your ear with the speakers, you must always be able to listen to the traffic sound and your indicators.

The microphone can be fixed onto the helmet in two ways:

Boom Microphone

Place the section with the Velcro/adhesive strip between the padding and the rigid cover of the helmet, so that the microphone is correctly positioned in front of your mouth and that the white symbol is facing your mouth. This type of microphone is suited for Open Faced and Flip Front helmets.



Wired microphone

Using the Velcro/adhesive strip, place the microphone inside the helmet in front of your mouth. This type of microphone is more suited for Full Faced helmets. The mini connector on the microphone allows you choose the microphone that best suits the helmet you are using.



Audio kit jack

The audio kit must then be connected to the central jack of the Midland BTX2 FM unit using the "L" shaped connector.

Description of the installation brackets

The Midland BTX2 FM can be fixed onto the helmet in two different ways: By either using the plate with bi-adhesive strip, or the clamp. These methods allow you to safely "fix" the BTX2 FM unit onto your helmet and to remove it at any time in order to recharge or store it.

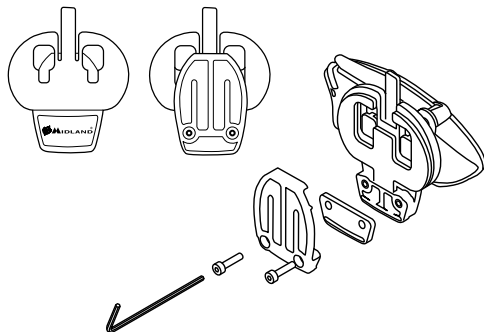
Plate with bi-adhesive strip

The fixing plate has a bi-adhesive strip on one of its sides. To fix the plate in place, clean the application area on the helmet surface, remove the bi-adhesive film and place the fixing plate on the helmet by keeping it contact with the surface for a few seconds.



Screw Clamp

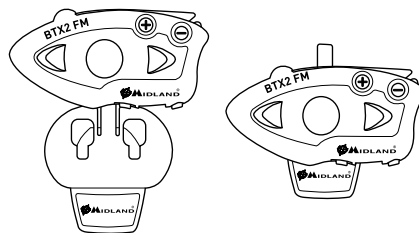
Using the Allen Key, loosen the two screws on the clamp and place the rear plate between the helmet padding and the external rigid protection. Then, tighten the two screws in order to firmly fix the clamp in place. Inside the clamp is included a small plastic spacer that can be removed to give a tighter fit if required.



Fitting and removing your Midland BTX2 FM

The BTX2 FM can be easily fitted onto the helmet by sliding it downwards so that it fits into the slot of the selected fixing device (plate with bi-adhesive strip or clamp). BTX2 FM is maintained in position thanks to the fixing clip located on the upper section (A).

To detach the BTX2 FM, simply press the fixing clip and push the unit upwards.



Switching your Midland BTX2 FM on and off

Switching the unit on:

Press and hold "Middle" button down for approximately 3 seconds until the BLUE indicator lights.

Switching the unit off:

Press and hold both "Middle" and "Backward" buttons together for approximately 3 seconds until the RED indicator flashes 3 times, thus lessening the chances that you might turn off the unit accidentally (especially whilst wearing gloves).

Operative "mode"

The BTX2 FM can operate in three main "mode": Intercom, Phone and FM Radio. The 3 multi function buttons can have different functionality depending on which mode the unit is at that moment.

- › In "Intercom mode" the middle buttons let you manage the communications between driver and passenger
- › In "Phone mode" you can manage your Bluetooth cellular phone to place/answer a phone call or to listen to the music (in stereo mode). Please use your phone responsibly and safely.
- › In "FM Radio mode" you can listen to your favourite radio station in stereo, seek for a specific radio station and save it (6 memory are available).

You can switch (toggle) from one mode to the other simply pressing the Middle button for 3 seconds. A voice announcement will tell in which mode you are on. The toggle sequence is the following:

- › **Intercom mode (if another unit has been paired)**
- › **FM Radio**
- › **Phone mode (if a phone has been paired)**

Every time you turn on the unit, the default mode is Intercom (if it was previously paired to another unit), otherwise it will be Phone (If was paired to a phone).

If you need to know in which mode the unit currently is, just press the “Volume +” and “Volume -” button together. A voice announcement will tell you the current mode.

Maximum Distance

You can reach 800m intercom distance if the flip up antenna is up and if you are in line of site without obstructions and interferences (the riders must be always in sight).

How to pair two BTX2 FM unit

The two units supplied in the same BTX2 FM box, are already paired and ready to use, which mean you don't need to perform this procedure. The unit are already paired using the Middle button.

If the devices are not part of the same kit, or the units has been purchased separately, you need to first pair it in order to use it.

To pair the BTX2 FM to another BTX2 FM unit

To pair the BTX2 FM to another BTX2 FM unit, you must first enter the setup mode:

1. Turn off the unit
2. Press and hold down the middle button about 7 sec., until the Red light is on permanently.
3. Now press the Middle button for 3 seconds. The Blue and Red light will flash.
4. Do the same procedure on the other unit, When successfully paired, each unit will have the Blue light on for one second and than go back to the setup mode (Red light always on).
5. Now the pairing procedure is complete, you just need to exit the setup mode before you can use the units:
6. Double click on the Middle button, the Red light will turn off and the Blue light will start flashing.

You can use now your BTX2 FM.

How to use the Intercom

To use the intercom feature, be sure the both units are turned on and correctly paired together.

Manual activation

Press the Middle button on one of the two units. Communication is enabled and remains active until you press again the middle button. The intercom need some

second to activate, you will hear a beep tone when the intercom is open.

Voice activation (VOX)

Simply start talking, after some seconds the communication will be opened and will remain active for the time you are talking. If there is no conversation the intercom will be closed after 40 seconds. If needed you can close the intercom manually without waiting 40 seconds (just press the middle button).

Attention: *The Voice activation (VOX) can open the intercom communication only to the unit that was paired with the Middle button. If you chose to use a different button, you will be able to activate the intercom only manually.*

If needed, you can disable the VOX feature simply by pressing the Backward button for 7 sec. A voice announcement will advise you when the VOX is disabled. To turn the VOX on again, just press the same button and a voice announcement will advise you that the VOX is now active. This setting is remembered also if you turn off the unit

Adjusting the volume

Your Midland BTX2 FM uses AGC technology, which automatically adjusts the listening volume in relation to background noises.

However, it is also possible to manually adjust the volume by means of the “Volume +” and “Volume -” buttons.

Attention: *volume can be adjust only when an audio connection is active.*

Attention: *the volume buttons (Vol + and Vol -) cannot be used to adjust the volume of the wired audio source. The AGC system with automatically increase the volume on higher speed.*

Compatibility with other Midland BT line units

The BTX2 FM is compatible with BT Next Conference and BTX1 FM.

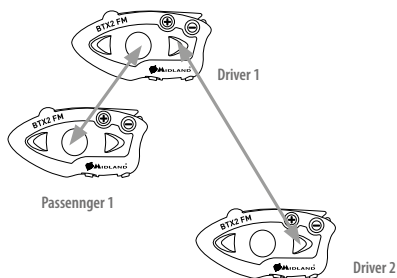
When paired the max distance of the intercom is defined from the lower possible. The BTX2 FM is compatible with the previous line of Midland BT (BT Next, BTX2 and BTX1) only if updated to firmware version 2014.

How to pair BTX2 FM to more than 2 units

One BTX2 FM unit can be paired to maximum three other BT unit, that means 4 in total (three Midland unit + one Talk2All). You can use the Middle and the Backward button to pair to a Midland unit and you can use the “Forward” button to pair the “Talk2All-Universal Intercom” feature.

The same button you will use to pair the unit will be also used to open/close the intercom communication.

For example you can pair your passenger to the Middle button and another motorbiker to the Backward button.



To pair the BTX2 FM to another BTX2 FM unit, you must first enter the setup mode:

1. Turn off the unit
2. Press and hold down the middle button about 7 sec., until the Red light is on permanently.
3. Now press the Middle or the Backward button for 3 seconds. The Blue and Red light will flash.
4. Do the same procedure on the other unit, When successfully paired, each unit will have the Blue light on for one second and then go back to the setup mode (Red light always on).
5. Now the pairing procedure is complete, you just need to exit the setup mode before you can use the units:

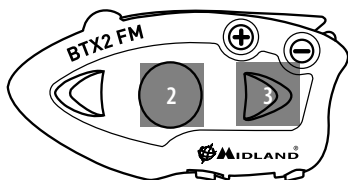
Double click on the Middle button, the Red light will turn off and the Blue light will start flashing.

You can use now your BTX2 FM.

Unit already busy

If you try to open a intercom connection to another person that is already busy talking with some one else (or is in a middle of a phone conversation), you will hear a “busy” double beep tone. Just wait sometime and try again, maybe this time the “line” is not busy.

The person who is called, will be advised that someone is trying to call and will hear a voice announcement with the number of the button from which the request is coming.



Talk 2 All - Pairing to a different brand intercom

Thanks to the “Talk2 All - Universal Intercom” feature it is now possible to pair your BTX2 FM to a different brand intercom available on the market, using “Forward button”

1. On the BTX2 FM enter the setup mode: (With the unit OFF press and hold down the Middle button about 7 sec., until the Red light is on permanently.
2. Press the “Forward” button for 3 seconds, the Red and Blu LED light will flash.
3. On the other intercom (not Midland brand) follow the procedure to pair to a phone.

Attention: remember to switch off all the other Bluetooth device, only the two devices involved in the pairing must be turned on.

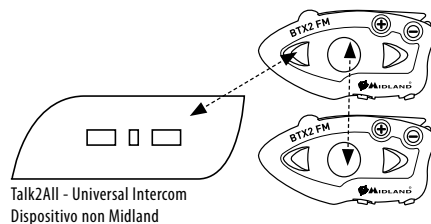
If successfully paired the red/blue light will stop flashing and the blu light will slowly flash instead.

To open the intercom communication on the BTX2 FM press forward button.

On the other intercom just press the phone redial button.

Maybe it will be necessary to press the dial button two times, depending on the model of the not Midland intercom.

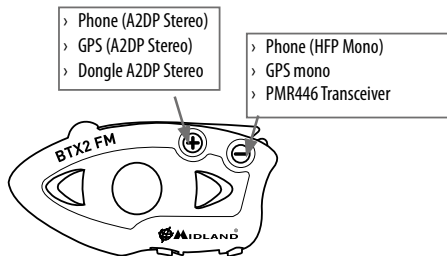
Attention: when using this configuration, the other intercom (not Midland brand) will not be able to be paired to a phone.



Pairing the BTX2 FM to Bluetooth devices

The BTX2 FM unit can be paired to other Bluetooth devices, like Phone, GPS Navigator or PMR446 Radio with built-in or external Bluetooth (dongle). The pairing procedure must be done using the “Volume +” or the “Volume -” buttons.

- › Pairing to the “Volume +” button: for Phone with music A2DP stereo, GPS Navigator with A2DP audio or external mono/Stereo A2DP dongle.
- › All devices paired to “Volume +” button has higher priority and will interrupt all the other communication (like Intercom, FM Radio and Music).
- › Pairing to the “Volume -” button: for a second phone with mono audio (Hands Free Protocol) for GPS navigators/ Radar detector and other devices which mono audio.



When a device is paired to the “Vol +” or “Vol -” buttons the “Phone” mode is activated.

Attention: A2DP audio source are supported only on Vol+. The second phone paired on Vol- can support only mono audio (HFP).

Background feature

It is possible to keep always in background the audio of the device paired on Vol- button. In this way the Intercom communication will not be interrupted, for example, by the GPS's street indication or the G8BT radio communication.

To activate the “Background” feature just press long the “Vol-” button, the voice “Background ON” will tell you that now is active.

To deactivate the “Background” feature just press again long the “Vol-” button, the voice “Background disable” will tell you that now is not active anymore.

By default the “Background” feature is off.

Attention: we can't guarantee this features because is depending on third part device.

Pairing with one or two phone

The cellular phone can be paired to the “Vol +” (if the support for stereo A2DP is requested) or to the “Vol -”.

When a phone is paired to the “Vol +” or “Vol-” the “Phone” mode is activated.

An incoming call has always the higher priority, that means all other communications will be closed (Intercom, FM Radio, Music).

If another incoming call will arrive on the second phone, alert sound will notify it.

How to pair the BTX2 FM to a Phone

To pair the BTX2 FM to a Phone, you must first enter the setup mode:

1. Turn off the unit
2. Press and hold down the middle button about 7 sec., until the Red light is on permanently.
3. Now press for 3 seconds the “Volume +” or “Volume -” button, the Blue and Red light will flash.
4. Enable the Bluetooth device search feature on your mobile phone
5. After some seconds, “Midland BTX2 FM” will be displayed on your mobile phone. Follow the pairing procedure of your Phone. If a pin code is requested you must enter “0000” (four time zero).

When successfully paired, the Blue light of the unit will be on for one second and than the unit will exit the setup mode and switch to the working mode (the Blue light will start flashing).

You can use now your BTX2 FM together with the Phone.

How to use a Phone

After pairing your phone to the BTX2 FM unit you must switch to the “Phone” mode in order to use it. Press the middle button until you hear “Phone” from the voice announcement. Now all the three main buttons are dedicated to the phone (see Table B)

Answering a call

When you hear the phone ring, you can answer in two different ways:

Vocally:

Simply say one word to answer the call and start talking.

B-Phone mode

Mode	Forward button (Phone on Vol+)	Middle button	Backward button (Phone on Vol-)
Phone	Short press: Voice dial /accept or close if it is in progress Long press: redial last number/ or reject	Long press: Change mode	Short press: Voice dial /accept or close if it is in progress Long press: redial last number/ or reject
Phone (when music is playing and paired on “Vol +”)	Short press: Forward the song	Short press: Play/pause Long press: Change mode	Short press: Backward the song

Manually:

Tap the “Forward” button and start talking.

Rejecting a call

If you don't wish to answer, you can let the mobile phone ring or press the “Forward” button for 3 seconds (you will hear one audio confirmation tone).

Making a call

There are several ways to make a call.

From the mobile keypad:

Dial the number on the mobile keypad:

Press “Send” on the mobile phone.

To redial the last number:

Phone on Vol+: Press “Forward” button for 3 seconds in order to redial the last number (you will hear one audio confirmation tone).

Phone on Vol-: Press “Backward” button for 3 seconds in order to redial the last number (you will hear one audio confirmation tone).

To make a voice call:

Phone on Vol+: Briefly press “Forward” button. If your mobile phone supports voice calls, you will be asked to speak the name of the contact you wish to call.

Phone on Vol-: Briefly press “Backward” button. If your mobile phone supports voice calls, you will be asked to speak the name of the contact you wish to call.

Priority: Calls have a high priority, which means that all other communications are temporarily disabled when a call arrives.

Ending a call

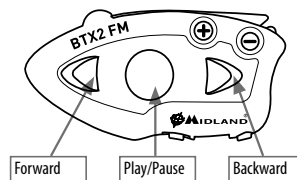
There are several ways to end a call:

- › Wait for the called person to end the call.
- › Press the “Forward” button (you will hear an audio confirmation tone).
- › Press “End” button on the mobile phone.

Using the MP3 player feature of the mobile phone

The mobile phone, when paired on “Volume +” can be used as stereo MP3 players.

The BTX2 FM device fully supports the A2DP and AVRCP protocols that enable you to listen to stereo music and remotely control your mobile phone's MP3 player. You can even use the buttons on the BTX2 FM unit to control the following play options: Play, Pause, Forward and Backward.

**Available controls:**

- › To play/pause music: click on the “Middle” button.
- › To skip forward to the next song: press the “Forward” button.
- › To skip backwards to the previous song: press the “Rear” button..

Priority: the music listening mode has the lowest priority. Therefore, it will always be disabled when another type of communication is enabled.

Attention: It is possible to control A2DP Stereo music only in “Phone Mode”

GPS Navigator

The GPS Navigator can be paired using the “Volume+” or the “Volume-” button. Volume + button (support for stereo A2DP audio)

Volume - button (support for mono audio also in background)

How to pair the BTX2 FM to a GPS

In general is possible to pair the BTX2 FM to all the GPS for motorbike that support Bluetooth headset connection.

To pair the BTX2 FM to a GPS, you must first enter the setup mode:

1. Turn off the unit
2. Press and hold down the “Middle” button about 7 sec., until the Red light is on permanently.
3. Now press firmly (3 sec) the “Volume +” or “Volume -” button, the Blue and Red light will flash.
4. Enable the Bluetooth device search feature on your GPS
5. After some seconds, “Midland BTX2 FM” will be displayed on your GPS.
6. Follow the pairing procedure of your GPS. If a pin code is requested you must enter “0000” (four times zero).
7. When successfully paired, the Blue light of the unit will be on for one second and then the unit will exit the setup mode and switch to the working mode (the Blue light will start flashing).

When you pair the GPS to the Volume + button, you loose the possibility to pair the phone to the BTX2 FM unit. You can overcome this limit by pairing the phone directly to the GPS and then the GPS to the BTX2 FM unit. All the phone features are therefore managed by the GPS itself.

GPS navigator always in background

To keep the intercom open while the GPS give the street indication you must have the “background” feature active and the GPS paired on “Vol-” button.

Attention: we can't guarantee this features because is depending on tirth part device.

Support for Stereo (A2DP) voice announcement

BTX2 FM support Stereo (A2DP) voice announcement from GPS Navigators or smartphone application when paired on “Vol+” button. When a voice announcement “brake in”, Intercom or FM radio is interrupted to give priority to the announcement itself. By default this features is ON; it's possible to change the priority using the “BT Updater” PC Software.

How to listen to the FM Radio

The FM Radio receiver is integrated inside the unit. You just need to switch to the “FM Radio” mode in order to use it. Long press the middle button until you hear “FM radio” from the voice announcement. Now all the three main button are dedicated to the FM Radio (See Table).

Press short the Forward or the Backward button to seek the FM Radio station. When you press long the Forward or the Backward button, you can scan up or down the 6 recorded stations. A voice announcement will tell you the number of which memory you are entering. A double beep tone will be played when the last or the first recorded station is reached.

To save the station you are listening, press the Forward and Backward buttons together for 3 sec. You will hear a beep tone for confirmation.

The station is saved over the last recorded station used.

Thanks to the RDS system, the FM Radio will choose the strongest signal available for the radio station you like to listen.

The RDS system is OFF by default, if needed you can toggle on/off the RDS pressing together the “Volume +” and “Volume -” buttons for 3 sec when the radio is on. A voice announcement will tell you the RDS status.

FM Radio with intercom

When you are in “FM Radio” mode is not possible to manually open the intercom, you can only open it using VOX feature (just talk) to the unit paired on the “Middle” button. To manually activate the intercom you must switch to “Intercom” mode.

How to Disable/Enable the FM Radio

To disable the FM Radio keep pressed the forward button for 7 Sec. it will be conferred by the “FM Radio disable” voice announcement. To enable again the FM Radio keep pressed the forward button for 7 Sec. it will be conferred by the “FM Radio” voice announcement.

Pairing to a PMR446 radio with integrated or external Bluetooth

The PMR446 Radio can be paired to the “Volume +” or “Volume -” button. If paired on “Volume -” and the “Background” feature is activated, the PMR446 radio is always in the background even when you talk on the intercom.

Pairing procedure

- › Turn off the unit
- › Press and hold down the “Middle” button about 7 sec., until the Red light is on permanently.
- › Now press firmly (3 sec) the “Vol +” or “Vol -” button, the Blue and Red light will flash.
- › Follow now the pairing procedure explained on the manual of the transceiver itself

Attention: If you are pairing to a G8BT transceiver, just when the BTX2 FM finish the pairing (only the Blu LED is flashing) you must follow this procedure to activate the Bluetooth connection:

- › Turn off and on the G8BT and then press for 3 sec. the “BT” button.
- › Go to phone mode
- › Press “Backward” button to activate G8BT audio (no need to make the pairing procedure again)

You need to have “background” feature active if you want to have the two way radio conversation in background with the intercom

How to use the wired audio input

Your Midland BTX2 FM is also supplied with a wired audio input (AUX), that can be used to connect an audio source, like an iPod (or any other MP3 Player) or a PMR446 transceiver for group communication or for a coverage increase.

Listening to music

To listen to music from the wired input, connect the audio source using the optional AUX cable.

C-Radio FM mode

Mode	Forward button	Middle button	Rear button
FM Radio	Short press: seek station up	Short press: On/off	Short press: seek station up
	Long press: Scan recorded	Long press: Change mode	Long press: Scan recorded

The volume buttons (Vol + and Vol -) cannot be used to adjust the volume of the wired audio source. The AGC system with automatically increase the volume on higher speed.

Attention! *never set the volume of the MP3 Player to the maximum possible. Normally the best level is about the 70% of the maximum.*

Hint: We recommend that you perform a few tests adjusting the volume of your iPod/MP3 player so at the normal speed the Headset volume is suited to your needs. The AGC system will automatically increase the volume on higher speed. Make a note to remember this setting for future trips.

Enabling/disabling the wired input

If needed the wired input can be enabled or disabled:

Enabling/Disabling: Make a Long press on the “Middle” and “Forward” button (you will hear one audio beep tone for enabling confirmation and two audio beep tone for disabling).

Using a PMR446 transceiver with the cable connection

In order to connect the transceiver to your Midland BTX2 FM, you need to purchase the specific 2.5mm plug AUX cable, sold separately. S

ome manufacturers radios use a different pin configuration, so we recommend that you ask your dealer as to which cable is best suited to your needs

The cable connected to the transceiver normally has also a PTT button that can be placed on the handlebar of your bike or held in your hand (If you are the passenger rider). To communicate via the attached radio, press the PTT button to speak and release it to listen. It is not possible to talk and listen simultaneously.

Adjust the volume of the transceiver to your needs, remembering that the volume adjustment is controlled by the automatic AGC system and that it will therefore be automatically increased in relation to background noise.

If you wish to use a PMR446 transceiver for group communications and simultaneously maintain the Intercom feature enabled between two or more BTX2 FM devices, you must remember that every time you talk to communicate with the PMR 446 transceiver (pressing the PTT button), you will also activate the intercom of the BTX2 FM to the unit connected to the “Middle” button (thanks to the VOX feature).

To avoid the Intercom activation when you speak on the PMR446, you can decide to pair the BTX2 FM unit on the “Backward” or “Forward” (where the VOX is not active) or if you still want to use the “Middle” button, you must disable the VOX feature, as explained in the previous section.

Attention! *If you disable the VOX feature, you will only be able to answer incoming phone calls by pressing the “Forward” button.*

Setup and special configurations

Resetting all paired devices

Sometimes you may find it necessary to delete all the pairing references stored in the BTX2 FM unit (reset operation).

To perform this operation you must first enter the setup mode:

- › Turn off the unit
- › Press and hold down the “Middle” button about 7 sec., until the Red light is on permanently.
- › Then simultaneously press and hold down the “Volume +” and “Volume -” buttons for 3 seconds. The Blue Light will be lit on for 1 sec and then back to steady RED.
- › Double click on the “Middle” button to exit the “Setup” mode and use the BTX2 FM.

This procedure deletes all the paired Bluetooth devices stored in the memory and it is therefore possible to start a new “clean” pairing session.

Back to factory setting

Sometimes you may find it necessary to go back to the factory setting, to reset all the changes/setup already made and have a “clean” unit.

To perform this operation you must first enter the setup mode:

- › Turn off the unit
- › Press and hold down the “Middle” button about 7 sec., until the Red light is on permanently.
- › Then simultaneously press and hold down all the three buttons “Forward”-“Middle”-“Backward” for 3 seconds. The Blue Light will be lit on for 1 sec and then back to steady RED.
- › Double click on the “Middle” button to exit the “Setup” mode and use the BTX2 FM.

Adjusting/ Disabling the VOX feature (Intercom and telephone)

The Intercom feature can be enabled both manually and vocally (VOX). The VOX activation is influenced by the background noise and therefore by the speed.

For optimum results, it is possible to choose one of the following four microphone sensitivity levels: high, medium, low and very low. The default setting of BTX2 FM is “low”. It is also possible to disable the VOX feature in order to activate the Intercom and phone call answering features in manual mode only.

Adjusting the sensitivity of the microphone (VOX)

To perform this operation you must first enter the setup mode:

1. Turn off the unit
2. Press and hold down the “Middle” button about 7 sec., until the Red light is on permanently.
3. Your BTX2 FM is now in “Set up mode”.

4. Press the "Backward" button until the red light indicator changes to a steady blue.
5. Now, press "Volume +" or "Volume -" to increase or reduce sensitivity. Every time you press the Volume buttons the RED light will flash for confirmation. When you reach the end of the upper and lower limit, the RED light will not flash.
6. Press again the "Backward" button; the Blue light will flash several times, in order to let you know the selected sensitivity:
 - One flash = VOX disabled
 - Twice = very low sensitivity
 - 3 times = low sensitivity
 - 4 times = medium sensitivity (default setting)
 - 5 times = high sensitivity
 The light indicator is now back to steady RED ("Set up mode") and the changes are confirmed
7. If needed, you can adjust again the sensitivity repeating the steps from point 1, otherwise exit the Setting mode by double clicking the "Middle" button. Once the red light turns off, the blue led starts blinking. Now you can use your BTX2 FM.

Disabling the VOX feature (Intercom and telephone)

Follow all the procedure described in the previous steps and choose the option of only one flash (VOX disabled).

Wired connection always in background

This feature let you keep the wired connection always on, even when the phone or the intercom is open. This feature can be useful when you connect a PMR446 transceiver.

By default this option is on.

Disabling:

- › Enter the "Setup" mode:
- › Turn off the unit
- › Press and hold down the "Middle" button about 7 sec., until the Red light is on permanently.
- › Press the "Forward" and "Middle" button together for 3 seconds. The blue LED will flash twice.
- › Double click on the "Middle" button to exit the "Setup" mode and use the BTX2 FM.

Enabling:

Follow the same procedure up described; now the blue LED will flash once. To exit the "Setup" mode, double click the "Middle" button.

Setup and Firmware update

It is possible to configure and update the firmware of your BTX2 FM using the USB connection to your PC. On the Midland web site www.midlandeuropa.com in the BTX2 FM page you can find the PC software and the new firmware updates if available.

ATTENTION DO NOT CONNECT THE UNIT TO THE PC BEFORE you DOWNLOAD AND INSTALL THE SOFTWARE

Use at your own risk

The use of the device will impair your ability to hear other sounds and others around you.

Listening to music or speaking on a telephone may prevent you from hearing others around you and distract you from riding safely. The use of such device while riding may endanger you and others, and its use, in some areas, could not be allowed.

Using this device at a high volume may result in permanent hearing loss.

If you experience ringing in your ear or any other hearing related pain, reduce the volume or discontinue using this device. With continued use at high volume, your ears may become accustomed to the sound level, which may result in permanent damage to your hearing.

Please use this device at a safe volume level.

Warranty

The warranty lasts 24 months for the main device and 6 months for the accessories (batteries, chargers, antennas, headsets).

For further information about the warranty, please visit www.midlandeuropa.com

European CE Notice Certification and Safety Approval Information

This product is CE marked according to the RTTE Directive (99/5/EC) and is free use in all the EU countries.

Users are not permitted to make any changes or modifications to the device.

Modifications which are not expressly approved by the producer invalidate the warranty card.

For further information, please go to our website: www.cte.it

FCC Compliance Information

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.

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 device complies with Industry Canada licence-exempt RSS standard(s).

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."

"This equipment complies with Industry Canada radiation exposure limits set forth for an uncontrolled environment."

NOTE: 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, the user is 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 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.**

Warning: *Direct plug-in ac/dc power supply must be used for disconnecting the transmitter from the mains; the desktop charger must be positioned close to the unit and easily accessible*



DECLARATION OF CONFORMITY N° 2014032502 Rev 1

Manufacturer: C.T.E. International S.r.l.
Address: VIA SEVARDI 7 – ZONA INDUSTRIALE MANCASALE – 42124 REGGIO EMILIA
Products: **BTX2 FM**
Name:
Product Type: **BLUETOOTH HEADSET INTERCOM**
Brand : **MIDLAND**

The product described above is in conformity with the following Specifications based on sample testing:

Item of 99/05/CE or 2004/108/EC	Standard	Title	Edition or date of issue
3.1.a	EN 60065 :2002+A1:2006 +A11 :2008 +A2:2010+A12:2011	Audio, video and similar electronic apparatus - Safety requirements	2011
3.1a	EN 62479	Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz) IEC 62479:2010 (Modified)	2010
3.1b	EN 301 489-1	electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic compatibility (EMC) standard for radio equipment and services ; Part 1: common technical requirements	V1.9.2
3.1b	EN 301 489-17	Electromagnetic compatibility and Radio spectrum Matters (ERM); Electromagnetic Compatibility (EMC) standard for radio equipment; Part 17: Specific conditions for Broadband Data Transmission Systems	V2.2.1
3.2	EN 300 328	Electromagnetic compatibility and Radio spectrum Matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive	V1.8.1
2004/108/EC	EN 55013 +A1 :2003+A2:2006	Sound and television broadcast receivers and associated equipment - Radio disturbance characteristics - Limits and methods of measurement CISPR 13:2001 (Modified)	2001
2004/108/EC	EN 55020 +A11 :2011	Sound and television broadcast receivers and associated equipment - Immunity characteristics - Limits and methods of measurement CISPR 20:2006	2007

Supplementary information to the conformity assessment result on which the declaration is based:

Conformity assessment procedures are referred to art. 10(4) linked with Annex III of Directive 1999/5/ec.
The test sample fulfills the requirements specified above, on the basis of test result and their evaluation.
The product herewith complies with the essential requirements of EC Directive 99/05/EC, 2004/108/EC and following implements and modifications, 2006/95/EC and following implements and modifications, 93/97/EC. Reference to any marking or other indication (e.g. on the product) is exhibited in attachment to this declaration.
Reggio Emilia, 25/03/2014

CTE International srl
Quality Assurance Responsible
Giovanni Bo

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- All articles displaying this symbol on the body, packaging or instruction manual of same, must not be thrown away into normal disposal bins but brought to specialised waste disposal centres. Here, the various materials will be divided by characteristics and recycles, thus making an important contribution to environmental protection.