

LAZER BLUE

By **LAZER**

WIRELESS
MULTIMEDIA
COMMUNICATION
SYSTEM

Installation & operation manual



Dear Customer,

Thank you for choosing Lazer Blue. We recommend that you read the following pages carefully, so that you get full satisfaction from it.

We recommend also that you register the purchase at www.hello-biker.com, so that we can keep you informed of news and software updates.

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1. KIT COMPOSITION

The **single kit** includes the parts that are required by one biker, that is:

(A) 1 multifunction key	
(B) 1 charger connector	
(C) 1 pair of earphones with foam pads	
(D) 1 microphone for jet/flip-up helmet	
(E) 1 main connector	
(F) 1 battery-charger	
(G) 1 filtre	

For bike-to-bike or rider-to-passenger intercom use, each helmet will require one kit.



1.1. **Optional handlebar remote control**

This accessory is designed to make the selection of functions more comfortable and safe while driving, with the hands always gripping the handlebar firmly. It is specially recommended for those who want to benefit from a maximum of functions and comforts.

It can be purchased separately to complement the rider's kit. It consists of a three-button selector to be fitted to the handlebar (see picture) and of a mini control unit. The connection between the remote control and the Lazer Blue unit is radiofrequency type.

For detailed information about fitting, pairing and operation, see section 12.



2. **FITTING (See the video on the Lazer website)**

3. **OVERVIEW OF FUNCTIONS**

Lazer Blue allows for multiple wireless connections:

Rider-to-passenger and bike-to-bike intercom connection among up to six units within a range of about 150 meters (typical) in full duplex mode (i.e. the bikers can talk and listen simultaneously).

Bluetooth® connection to mobile phones for handsfree conversation.

Bluetooth® connection to music players (e.g. MP3 players), allows for the reception of hi-fi / stereo music. Bikers can listen to their favourites in the earphones and possibly share them with their biking mates.

Bluetooth® connection to satellite navigation systems, the voice indications from navigators can be listened to in the earphones.

All the set-up and control operations described in the following pages are made via the same multifunction key (A) located on the control unit, following the voice indications provided through the earphones. For better comprehension of the instruction flow, the tables below list all the indications you will hear in every menu/submenu, whether they require action (this format: **ABCD EFG**) or not (this format HIL MNO).



Multifunction button

**Recommendations:**

- **NEVER ALLOW A CONVERSATION (ON THE PHONE OR WITH YOUR BIKING MATES) TO DRAW YOUR ATTENTION AWAY FROM DRIVING AND GENERATE HAZARDOUS RIDING CONDITIONS!**
- **WHEN ADJUSTING THE SOUND VOLUME ALWAYS KEEP IN MIND THAT YOU SHALL STILL HEAR CLEARLY THE AUDIBLE WARNING SIGNALS COMING FROM OTHER VEHICLES (ESPECIALLY FROM THOSE INVOLVED IN EMERGENCY SERVICES SUCH AS AMBULANCES, POLICE CARS, FIRE BRIGADE VEHICLES, ETC.)**
- **THE USE OF TWO EARPHONES MAY BE ILLEGAL IN CERTAIN COUNTRIES. PLEASE CHECK THE LOCAL REGULATIONS AND ACT ACCORDINGLY.**

4. SWITCHING ON / SWITCHING OFF

4.1. Switching on

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue off • Press and hold down the multifunction key (A) until you hear LAZER BLUE ON, then release.	LAZER BLUE ON

4.2. Switching off

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue on • Press and hold down the multifunction key (A) until you hear LAZER BLUE OFF, then release.	MENU ↓ LAZER BLUE OFF

5. THE FIRST OPERATIONS TO DO WITH YOUR NEW LAZER BLUE

5.1. Charge the battery

Recharge for at least 6 hours before use (see section 10).

5.2. Choose a language

The voice instructions of Lazer Blue are available in several different languages. Visit www.hello-biker.com to find your preferred language and the download procedure.

5.3. Adjust the volume

The sound volume can be adjusted to three levels:

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue on 1. Press the multifunction button (A) shortly. The system tells you what sound level it is currently adjusted to (e.g. VOLUME 3) 2. Press shortly again. The system shifts to the next (higher or lower) level.	<div style="text-align: center;"> VOLUME 3 ↓ VOLUME 2 ↓ VOLUME 1 </div>

WARNING: EXCESSIVE SOUND PRESSURE FROM EARPHONES CAN CAUSE HEARING LOSS!

5.4. Name your unit

Choose a name that will allow your biking mates to identify you (the default name is Lazer Blue).

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue off, far from other active Bluetooth®-enabled devices or Lazer Blue units in pairing mode 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. Press again and hold down until you hear MENU, then release and listen to the prompts 3. As you hear CHANGE UNIT NAME, press shortly to confirm 4. As you hear PRESS BUTTON TO RECORD NAME, press shortly and say your name clearly close to the microphone. If the operation is successful, you will hear it repeated in the earphones	<div style="text-align: center;"> LAZER BLUE ON ↓ PAIRING MODE ↓ MENU ↓ PLAY UNIT NAME ↓ CHANGE UNIT NAME </div>

5. The unit sets itself to pairing mode. If you have made a mistake you can repeat the procedure starting from pos. 2. If no further action follows, the unit quits the pairing mode about ten minutes later.

↓
PRESS BUTTON TO RECORD NAME

↓
xxxxxxx (repetition of recorded
name)

Remarks:



- The unit name can be modified at any time following the same procedure; it can also be listened to by accessing the procedure and pressing shortly as you hear **PLAY UNIT NAME**.
- If you have done group pairing (see section 6), consider that the name change will exclude you from the group communication.
- To quit the pairing mode before ten minutes have elapsed, press and hold down until you re-enter the **MENU**. Wait until you hear **END PAIRING** and press the button shortly to confirm.

Tips:



- Press shortly to confirm a command. Do not keep pressed!
- Press while hearing the voice prompt or immediately after. If you wait too long, the system steps on and the selection becomes impossible.

6. PAIRING WITH OTHER LAZER BLUE UNITS

6.1. Rider-to-passenger intercom communication

To enable communication, the two units have to be paired, i.e. “introduced” to each other. The units need to be named (see section 5.4.) and to be within range. The procedure below has to be carried out simultaneously on both.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off – control units close to each other</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. As the unit senses the presence of another unit in pairing mode, it will prompt you to CONFIRM GROUP PAIRING. Press shortly to confirm 3. Pairing takes place automatically. If it is successful, you will hear PAIRED WITH + the name of the mate unit 4. If no further action follows, the unit quits the pairing mode about ten minutes later (LAZER BLUE ON) 5. The units are now in intercom communication and will connect to each other whenever they are within range. 	<pre> LAZER BLUE ON ↓ PAIRING MODE ↓ CONFIRM GROUP PAIRING ↓ PAIRED WITH xxxxxx (name of mate unit) ↓ LAZER BLUE ON </pre>

6.2. Bike-to-bike intercom communication

To enable communication, all the units (max 6) have to be paired, i.e. “introduced” to one another. The units need to be named (see section 5.4.) and to be within range. The procedure below has to be carried out simultaneously on all Lazer Blue units.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off – control units close to one another</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. As the unit senses the presence of other units, it will prompt you to CONFIRM GROUP PAIRING. Press shortly to confirm. 3. Pairing takes place automatically. If it is successful, you will hear PAIRED WITH + the names of all the mate units 4. If no further action follows, the unit quits the pairing mode about ten minutes later (LAZER BLUE ON) 5. The units are now in intercom communication and will connect to one another whenever they are within range. 	<pre> LAZER BLUE ON ↓ PAIRING MODE ↓ CONFIRM GROUP PAIRING ↓ PAIRED WITH xxxxxx (name of mate unit) PAIRED WITH xxxxxx (name of mate unit) PAIRED WITH xxxxxx (name of mate unit) ↓ LAZER BLUE ON </pre>

Remark:



- Every new pairing with other Lazer Blue units (for rider-to-passenger or bike-to-bike communication) supersedes the former pairing. In other words, whenever you go through the procedure to pair with new mate units, the formerly created communication group is deleted and a new one is created!

6.3. Listing the paired Lazer Blue units

Whenever you wish, you can obtain a list of the units that are paired with your Lazer Blue.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. Press again and hold down until you hear MENU, then release and listen to the prompts 3. As you hear LIST INTERCOMS, press shortly to confirm. The unit will list the names of all the paired Lazer Blue units 4. If no further action follows, the unit quits the pairing mode about ten minutes later. 	<pre> LAZER BLUE ON ↓ PAIRING MODE ↓ MENU ↓ PLAY UNIT NAME ↓ CHANGE UNIT NAME ↓ LIST INTERCOMS ↓ xxxx (name of mate unit) xxxx (name of mate unit) xxxx (name of mate unit) </pre>

7. PAIRING WITH BLUETOOTH® ENABLED DEVICES

Your Lazer Blue can be paired with up to 5 different devices supporting the Bluetooth® communication protocols HFP (HandsFree Profile), HSP (HeadSet Profile), A2DP (Advanced Audio Distribution Profile) and AVRCP (Audio/Video Remote Control Profile).

7.1. Pairing with mobile phones

To enable phone conversation through Lazer Blue's headset, the unit needs to be first paired to your mobile phone.

Exception: if you wish to connect to a mobile phone and a satellite navigation system at the same time, skip this section. Pair the unit to the navigation system (see section 7.2.) and the navigation system to the mobile phone (refer to the operation guidelines of both devices).

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off – mobile phone in pairing mode (consult the operation manual of the phone) close to the Lazer Blue unit.</p> <p><u>No other Lazer Blue unit or Bluetooth® enabled device in pairing mode</u></p> <ol style="list-style-type: none"> Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release From this step on, pairing is managed by the mobile phone with different procedures for each model. Consult the operation manual of the phone to look for information relating to the pairing of Bluetooth® devices. The phone will list the Lazer Blue as an available device. Select this item. When you are prompted to enter a pin-code, digit 0000 (four zeros). 	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> ↓ <div style="background-color: black; color: white; padding: 2px; display: inline-block;">PAIRING MODE</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> </div> <p><i>If unsuccessful:</i></p> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">FAILED PAIRING</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> </div>

3. If the pairing fails, you will hear **FAILED PAIRING** and subsequently **LAZER BLUE ON**. If it succeeds, you will hear **LAZER BLUE ON**.
4. Once paired, Lazer Blue and the phone will connect to each other whenever they are within range. Connection may be automatic or require action on either device (see section 9).

7.2. Pairing with satellite navigation systems

If you wish to listen to navigation instructions from a Bluetooth® enabled system through Lazer Blue's earphones, you need to first pair your unit to the device.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off - navigation system in pairing mode (consult the operation manual of the navigator) close to the Lazer Blue unit.</p> <p><u>No other Lazer Blue unit or Bluetooth® enabled device in pairing mode</u></p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. From this step on, pairing is managed by the navigator with different procedures for each model. Consult the operation manual of the navigator for information relating to the pairing of Bluetooth® devices. The navigator will list the Lazer Blue as an available device. Select this item. When you are prompted to enter a pin-code, digit 0000 (four zeros). 3. If the pairing fails, you will hear FAILED PAIRING and subsequently LAZER BLUE ON. If it succeeds, you will hear LAZER BLUE ON. 	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> ↓ <div style="background-color: black; color: white; padding: 2px; display: inline-block;">PAIRING MODE</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> </div> <p><i>If unsuccessful:</i></p> <div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">FAILED PAIRING</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> </div>

- | | |
|---|--|
| 4. Once paired, Lazer Blue and the navigation system will connect to each other whenever they are within range. Connection may be automatic or require action on either device (see section 9). | |
|---|--|

7.3. Pairing with music players

If you wish to listen to music from a Bluetooth® enabled music player (e.g. a MP3 player) through Lazer Blue's earphones, you need to first pair your unit to the device.

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue off – music player in pairing mode (consult the operation manual of the music player) close to the Lazer Blue unit. <u>No other Lazer Blue unit or Bluetooth® enabled device in pairing mode</u>	<div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> ↓ <div style="background-color: black; color: white; padding: 2px; display: inline-block;">PAIRING MODE</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div>
1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release	<i>If unsuccessful:</i>
2. From this step on, pairing is managed by the music player with different procedures for each model. Consult the operation manual of the music player to look for information relating to the pairing of Bluetooth® devices. The music player will list the Lazer Blue as an available device. Select this item. If you are prompted to enter a pin-code, digit 0000 (four zeros).	<div style="border: 1px solid black; padding: 2px; display: inline-block;">FAILED PAIRING</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div>
3. If the pairing fails, you will hear FAILED PAIRING and subsequently LAZER BLUE ON. If it succeeds, you will hear LAZER BLUE ON.	
4. Once paired, Lazer Blue and the music player will connect to each other whenever they are within range. Connection may be automatic or require action on either device (see section 9).	

7.4. Clearing all paired Bluetooth® enabled devices

This procedure allows you to clear all the Bluetooth® enabled devices that are paired to your system at one time.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear PAIRING MODE, then release 2. Press again and hold down until you hear MENU, then release and listen to the prompts 3. As you hear DELETE BLUETOOTH UNITS, press shortly to confirm 4. If no further action follows, the unit quits the pairing mode about ten minutes later. 	<pre> graph TD A[LAZER BLUE ON] --> B[PAIRING MODE] B --> C[MENU] C --> D[PLAY UNIT NAME] D --> E[CHANGE UNIT NAME] E --> F[LIST INTERCOMS] F --> G[GROUP PAIRING] G --> H[DELETE REMOTE CONTROLS] H --> I[DELETE BLUETOOTH UNITS] I --> J[OPERATION COMPLETED] </pre>

8. CONNECTION AND USE WITH OTHER LAZER BLUE UNITS (INTERCOM COMMUNICATION)

8.1. Rider-to-passenger intercom communication

The full duplex connection of two paired units is automatic as soon as they are turned on and within range (about 150 m). If the range is exceeded, communication is cut. It is reinstated automatically as soon as the units are within range again.

When used as a rider-to-passenger intercom (only two units being paired), Lazer Blue allows you to share phone conversation and music listening (see sections 9.2.2. and 9.4.2.).


8.2. Bike-to-bike intercom communication

The full duplex connection of multiple paired units is automatic as soon as they are turned on and within range (about 150 m). If the range is exceeded, communication is cut. It is reinstated automatically as soon as the units are within range again.

8.3. Suspending intercom communication


Intercom communication can be suspended / reinstated at any time following the procedure below. If you are in a group, the other members will continue to be in communication with one another.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue in intercom communication</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear INTERCOM, press shortly to confirm 3. As you hear INTERCOM OFF, again press shortly to confirm 	<pre> graph TD MENU[MENU] --> MAKE_PHONE_CALL[MAKE PHONE CALL] MAKE_PHONE_CALL -- or --> CONNECT_PHONE[CONNECT PHONE] CONNECT_PHONE --> MUSIC_PLAYER[MUSIC PLAYER] </pre>

<p>4. Intercom communication is cut and can be re-instated at any time following the same procedure and pressing shortly as you hear INTERCOM ON.</p>	
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8.4. Selective intercom communication

While paired / connected with multiple units, you might wish to temporarily restrict communication to one member (for instance : you might wish to talk with your passenger only while you are riding in a group). This procedure allows to exclude the other members, who will nevertheless continue to be in communication with one another.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue in intercom communication (at least) with the unit you want to select</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear INTERCOM, press shortly to confirm, then listen to the prompts 3. As you hear CALL UNIT, press shortly to confirm 4. Your unit will list the names of all the paired Lazer Blue units (whether within range or not) 5. As you hear the name of the unit you wish to select, press shortly to confirm 6. The selected group member receives the message XXXX (= <i>your name</i>) IS CALLING and needs to confirm by shortly pressing the 	

<p>multifunction key of his/her unit within 5 seconds. If this does not happen, the message is repeated twice</p> <p>7. When you wish to reinstate connection with all the group members, follow the same procedure and press shortly as you hear the instruction CLOSE CALL.</p>	<p style="text-align: right;">↓</p> <p style="text-align: center;">xxxx (name of mate unit)</p> <p style="text-align: center;">xxxx (name of mate unit)</p> <p style="text-align: center;">xxxx (name of mate unit)</p> <p style="text-align: center;">or viceversa</p> <p style="text-align: center;">CLOSE CALL</p>
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9. CONNECTION AND USE WITH BLUETOOTH® ENABLED DEVICES

9.1. Connecting Lazer Blue with a mobile phone

The connection of a paired mobile phone may be automatic as soon as it is turned on and within range (about 10 m) or it may require action on Lazer Blue or on the phone itself. To initiate connection from the phone, refer to the operation guidelines that come with it. To initiate connection from Lazer Blue, see the procedure described below.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on - mobile phone on and within range</p> <p>1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts</p> <p>2. As you hear CONNECT PHONE, press shortly to confirm.</p>	<p style="text-align: right;">MENU</p> <p style="text-align: right;">↓</p> <p style="text-align: right;">CONNECT PHONE</p>

9.2. Using Lazer Blue with a mobile phone



Recommendation:

- To fully benefit from this function, please take the time to first get acquainted with the features of your mobile phone. Please note also that some models do not allow all the advanced functions to be transferred to Lazer Blue.

9.2.1. Incoming phone calls (handsfree)

Depending on the operating features and settings of the mobile phone, when you receive a call you may hear the **ring signal** or the prompt **PHONE CALL** in the earphones.

Again depending on the operating features and settings of the mobile phone, the phone communication may be opened automatically ("**Automatic answer**") or you may need to press the **multifunction key (A)** on the **Lazer Blue unit once to accept the call.**


To reject the call, you will need to press the **multifunction key twice** (but this functionality is not available with all models of mobile phones).

To close a call you can either press the **multifunction key twice** or press and hold down the multifunction key until you hear **MENU**, then release, listen to the prompts and press shortly as you hear **CLOSE CALL**.

Phone calls take priority over other connections (intercom connection / connection to music players), i.e. an incoming call interrupts the conversation with other bikers and/or music listening. Connection is reinstated when the phone call is closed.

9.2.2. Sharing phone calls

When used as a rider-to-passenger intercom (only two units being paired), Lazer Blue allows you to share phone conversations with your riding mate. To pre-set this function, operate as described below.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear CONFERENCE CALL ON, press shortly to confirm 3. To switch off this function, follow the same procedure and press shortly as you hear CONFERENCE CALL OFF. 	 <pre> graph TD MENU[MENU] --> MAKE[MAKE PHONE CALL] MAKE --> OR[or] OR --> CONNECT[CONNECT PHONE] CONNECT --> MUSIC[MUSIC PLAYER] MUSIC --> INTERCOM[INTERCOM] INTERCOM --> CONF_ON[CONFERENCE CALL ON] CONF_ON --> CONF_OFF[CONFERENCE CALL OFF] </pre>

This setting is also possible during a phone call, with a quicker procedure:

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue on, the connected phone in use 1. Press and hold down the multifunction key (A) until you hear MENU, then release 2. As you hear CONFERENCE CALL ON or CONFERENCE CALL OFF, press shortly to confirm.	<div style="text-align: right;"> MENU ↓ CONFERENCE CALL ON or viceversa CONFERENCE CALL OFF </div>

9.2.3. Redialling

This procedure allows you to call the latest number you have dialled (this function is not available with all mobile phones).

PROCEDURE	VOICE INSTRUCTION FLOW
Start condition: Lazer Blue on and connected with a mobile phone 1. Press and hold down the multifunction key (A) until you hear MENU, then release 2. As you hear MAKE PHONE CALL, press shortly to confirm.	<div style="text-align: right;"> MENU ↓ MAKE PHONE CALL </div>

9.3. Connecting Lazer Blue with a satellite navigation system

The connection of a paired satellite navigation system may be automatic as soon as it is turned on and within range (about 10 m) or it may require action on Lazer Blue or on the navigator itself. To initiate connection from the navigator, refer to the operation guidelines that come with it. To initiate connection from Lazer Blue, see the procedure described below.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on - navigation system on and within range</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear CONNECT PHONE, press shortly to confirm. Connection is established and the indications from the navigator will reach you through the earphones of Lazer Blue. 	<p style="text-align: right;"> MENU ↓ CONNECT PHONE </p>

9.4. Connecting Lazer Blue with a music player

The connection of a paired music player may be automatic as soon as it is turned on and within range (about 10 m) or it may require action on Lazer Blue or on the music player itself. To initiate connection from the player, refer to the operation guidelines that come with it. To initiate connection from Lazer Blue, see the procedure described below.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on, music player on and within range</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear MUSIC PLAYER, press shortly to confirm 3. As you hear CONNECT MUSIC PLAYER, press shortly to confirm. 	<p style="text-align: right;"> MENU ↓ MAKE PHONE CALL or CONNECT PHONE ↓ MUSIC PLAYER ↓ CONNECT MUSIC PLAYER </p>

Remark:


- This procedure may apply also if you wish to listen to music from a mobile phone or a navigator supporting the A2DP profile.

9.4.1. Controlling the music player

The functions of the music player you have connected to Lazer Blue can be controlled via the multifunction key on the control unit.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on, music player connected</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts 2. As you hear MUSIC PLAYER, press shortly to confirm 3. The system enters a submenu, prompting all the controls that are typically available on music players. Press shortly as you come to the control you want to select. <p>Please note:</p> <ul style="list-style-type: none"> • The music volume can be adjusted (independently of the general volume setting) to three different levels, which are also confirmed by voice indications (MUSIC VOLUME 1-2-3). 	<pre> graph TD MENU[MENU] --> MAKE_PHONE_CALL[MAKE PHONE CALL] MAKE_PHONE_CALL --> OR[or] OR --> CONNECT_PHONE[CONNECT PHONE] CONNECT_PHONE --> MUSIC_PLAYER[MUSIC PLAYER] MUSIC_PLAYER --> STOP[STOP] STOP --> PLAY[PLAY] PLAY --> PAUSE[PAUSE] PAUSE --> NEXT_TRACK[NEXT TRACK] NEXT_TRACK --> PREVIOUS_TRACK[PREVIOUS TRACK] PREVIOUS_TRACK --> END[] </pre>

<ul style="list-style-type: none"> It should be kept low if you are simultaneously in intercom connection. 	<p>MUSIC VOLUME UP ↓ MUSIC VOLUME DOWN</p>
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9.4.2. Sharing music

When used as a rider-to-passenger intercom (only two units being paired), Lazer Blue allows you to share the listening of music with your riding mate.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue on, music player connected</p> <ol style="list-style-type: none"> Press and hold down the multifunction key (A) until you hear MENU, then release and listen to the prompts As you hear MUSIC PLAYER, press shortly to confirm The system enters a submenu, prompting all the controls that are typically available on music players. As you hear SHARE MUSIC ON, press shortly to confirm. To disable this function, follow the same procedure and press as you hear SHARE MUSIC OFF. <p>Please note:</p> <ul style="list-style-type: none"> Lazer Blue is designed to stream hi-fi / stereo music from Bluetooth® enabled music players. However audio quality will be inferior in the second headset, as it will be transferred through the intercom channel, which does not support hi-fi / stereo transmission. 	<pre> graph TD MENU[MENU] --> MAKE_PHONE_CALL[MAKE PHONE CALL] MAKE_PHONE_CALL --> OR[or] OR --> CONNECT_PHONE[CONNECT PHONE] CONNECT_PHONE --> MUSIC_PLAYER[MUSIC PLAYER] MUSIC_PLAYER --> STOP[STOP] STOP --> PLAY[PLAY] PLAY --> PAUSE[PAUSE] PAUSE --> NEXT_TRACK[NEXT TRACK] NEXT_TRACK --> PREVIOUS_TRACK[PREVIOUS TRACK] PREVIOUS_TRACK --> END[] </pre>

	<div style="border: 1px solid black; padding: 5px; text-align: center;"> MUSIC VOLUME UP ↓ MUSIC VOLUME DOWN ↓ SHARE MUSIC ON or viceversa SHARE MUSIC OFF </div>
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10. BATTERY CHARGING

Lazer Blue works with a Li-Pol battery, which allows for a typical talk time of 8 to 12 hours depending on the functions in use (intercom + Bluetooth® connection: 8 hours; Bluetooth® connection only: 12 hours). When the battery is close to flat, the unit sends a warning message (LOW BATTERY), which is repeated 3 times. Connect the plug of the supplied battery-charger (F) into a main socket and the mini-USB connector to the filter (G) ; connect the filter to the connector (B) situated below right of your helmet. A full cycle of recharge lasts approximately 6 hours if the battery is totally flat. While charging, the small LED flashes slowly in green. If the battery is totally flat, it may take a while before the LED starts to flash. When the recharge is complete the LED turns off.

Recommendations:



- **Do not recharge Lazer Blue with any other battery-charger than the supplied one.**
- **Do not operate the multifunction key (A) during the recharge!**
- **Do not charge your Lazer Blue without having first connected the filtre (G) between the battery-charger (F) and the charger connector (B) to your helmet.**

11. LED INDICATIONS

Unit off	The LED is off
Unit on	The LED flashes slowly in green
Unit in pairing mode	The LED flashes in green and red
Unit in charge mode	The LED flashes in green
Battery charge completed	The LED is off

12. OPTIONAL HANDLEBAR REMOTE CONTROL

Once this accessory is fitted and paired, you will be able to access the main menu and select the functions described above by operating the mid button on the selector instead of the multifunction key on the control unit. Use the lower and upper buttons to move back or forward more quickly in the menu. When you are out of the menu, use them to increase or decrease the sound volume.

Remarks:



- **To turn Lazer Blue on and off, you still need to press the multifunction key (A) on the control unit; these operations cannot be controlled via the remote control.**
- **No need to turn the remote control on / off. It switches automatically when the motorcycle ignition is turned on / off.**
- **The green LED on the selector flashes when the Lazer Blue unit is off, it is illuminated with solid light when the Lazer Blue is on.**

12.1. Installation of the handlebar remote control

Loosen the screw on the three-button selector (unscrew it completely if required) and slide the selector onto the left handle as shown in the attached picture, then re-tighten the screw as appropriate to keep the assy in position.

Route the flat cable that links the selector with the mini control unit down towards the foot of the steering post, together with the original wiring harness located under the instrument board. Secure the cable with tie-wraps.

The mini control unit shall also be secured to the original wiring harness with tie-wraps, far from metal surfaces that may screen and compromise radio communication with the main control unit.

The two power-supply wires shall be connected as described below:

- RED wire to an ignition controlled positive supply wire (+15/54);
- BLACK wire: to a permanent negative supply (e.g. a screw on the frame).

Solder the wire connections and insulate them carefully with tape.



12.2. Pairing of the handlebar remote control

The handlebar remote control needs to be paired with the Lazer Blue unit.

PROCEDURE	VOICE INSTRUCTION FLOW
<p>Start condition: Lazer Blue off – remote control within range No other Lazer Blue unit or Bluetooth® enabled device in pairing mode</p> <ol style="list-style-type: none"> 1. Press and hold down the multifunction key until you hear PAIRING MODE, then release 2. Press the central button of the selector and hold it down. At the same time turn the motorcycle ignition on. The red and green LED's on the selector will flash for a few seconds, then the green LED will turn to solid light. 3. If the pairing succeeds, you will hear PAIRED WITH REMOTE, then LAZER BLUE ON. 4. If the pairing fails, you will hear FAILED PAIRING and subsequently LAZER BLUE ON. 5. Once paired, Lazer Blue and the remote control will connect to each other whenever the ignition is turned on and the units are within range. 	<div style="text-align: center;"> <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> ↓ <div style="background-color: black; color: white; padding: 2px; display: inline-block;">PAIRING MODE</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">PAIRED WITH REMOTE</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> <i>If unsuccessful:</i> <div style="border: 1px solid black; padding: 2px; display: inline-block;">FAILED PAIRING</div> ↓ <div style="border: 1px solid black; padding: 2px; display: inline-block;">LAZER BLUE ON</div> </div>

12.3. Clearing a paired remote control

This procedure allows you to clear a paired remote control:

PROCEDURE	VOICE INSTRUCTION FLOW
<ol style="list-style-type: none"> 1. Start condition: Lazer Blue off 2. Press and hold down the multifunction key until you hear PAIRING MODE, then release 3. Press again and hold down until you hear MENU, then release and listen to the prompts 4. As you hear DELETE REMOTE CONTROLS, press shortly to confirm 5. If no further action follows, the unit quits the pairing mode about ten minutes later. 	<pre> graph TD A[LAZER BLUE ON] --> B[PAIRING MODE] B --> C[MENU] C --> D[PLAY UNIT NAME] D --> E[CHANGE UNIT NAME] E --> F[LIST INTERCOMS] F --> G[GROUP PAIRING] G --> H[DELETE REMOTE CONTROLS] H --> I[OPERATION COMPLETED] </pre>

13. RESET

If required, the system can be reset by keeping the multifunction key on the control unit pressed for about 30 seconds.

14. TECHNICAL DATA

Power supply: Li-Pol battery, 600mAh – 3,7V;

Bluetooth® Technology: Version 2.0 with EDR, class II, range:10 m. Supported profiles: HF, HS, A2DP, AVRCP;

Proprietary RF Technology: 2,4 – 2,483GHz ISM band, typical range: 150 m;

Size of the control unit: 68X58X20mms;

Weight of the helmet-fitted components: 116g;

Typical talk time: 8 to 12 hours (depending on the functions in use).

15. HOMOLOGATION / QUALIFICATION

CE - Lazer Blue complies with the requirements of the **EU Directive 1999/5/EC (RTTE Directive)** in terms of electromagnetic compatibility, health and safety, use of the radiofrequency spectrum.

Moreover, since it works for extended periods of time close to the user's head, Lazer Blue has been duly submitted to SAR (Specific Absorption Rate) testing. This is an international standard (today recommended although not mandatory for this type of equipment) that measures the human body's absorption of energy radiated by electronic equipments. The values that have been measured are extremely low, by far below the admitted figures.

Bluetooth® Additionally it has been tested and found to comply with the requirements for **Bluetooth® Qualification**. This certification is mandatory for those manufacturers who want to use the official Bluetooth® logo and trademark; it guarantees that a device meets the standards of Bluetooth® wireless technology.



Declaration of conformity

We, **COBRA AUTOMOTIVE TECHNOLOGIES SpA**

Via Astico 41
21100 – VARESE
ITALY

declare under our sole responsibility that the products

- 6720** HelloBiker 2.0 Wireless Multimedia Communication System for motorcycle and scooter helmets
- 6780** Handlebar remote control for HelloBiker 2.0

to which this declaration relates are in conformity with the essential requirements and other relevant provisions of Directive 99/5/EC (R&TTE Directive).

Reference standards:

Safety	EN 60950-1 2005 (2 nd edition) and EN 60950-1 2006
EMC	EN 301 489-1 V1.8.1 (2008-04)
RF Spectrum	EN 300 328 V1.7.1 (2006-10)

Test Reports issued by:

RFI Global Services Ltd.
Pavilion A, Ashwood Park, Ashwood Way,
Basingstoke, Hampshire, RG23 8BG
United Kingdom

Intended use in:

All EU Countries + Switzerland, Norway and Iceland.

Place and date of issue of this DoC : Varese, July 1st 2009

Signed for the manufacturer: _____

Name: A. Palumbo – Title: Product Manager / Motorcycle

Let's respect the environment and public health! Under no circumstances shall this electronic device be disposed of as part of ordinary household waste. At the end of its life, take it to an appropriate collection site as arranged by your local administration or by a retail store in your area.

**Conditions of guarantee**

This product is guaranteed for 24 months from the date of purchase certified by a receipt or an invoice. The warranty will become null and void if the failure appears to be caused by inadequate fitting/misuse, by fall or transportation, by neglect or anything else than a manufacturing fault. Moreover it will not apply if the unit is opened by personell not authorised by COBRA AT. In the event of incorrect fitting/misuse, the manufacturer will not be liable for any kind of direct or indirect damage to persons or things. Claims under this warranty shall be made through an authorised retailer.

Diagrams, descriptions and features are merely indicative. The manufacturer reserves the right to modify them without notice. COBRA AT will not be responsible for damage to people or things resulting from negligence of these instructions or improper use.

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COBRA AUTOMOTIVE TECHNOLOGIES SPA
VIA ASTICO 41
I-21100 VARESE
www.cobra-af.com

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