

# USER MANUAL

## *Bluetooth* Car-Kit EGO Cup FM

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## FCC Statement

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.

Note: The manufacturer is not responsible for ANY interference, for example RADIO or TV interference, caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

### Federal Communication Commission Interference Statement

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 of the following measures:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

### RF Exposure Warning:

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

## 1. Package Contents

- [1] EGO Cup FM
- [2] Car-Kit Mounting Rotor (adapter for using cup holder)
- [3] Rotateable Microphone with 2.5 mm Jack
- [4] Herbert-Richter System Adapter
- [5] 12V Car Charger Head with 5-Pin Mini USB Cable (connection kit to the vehicle cigarette lighter)
- [6] Multilingual User Manual

[1]



[2]



[3]



[4]



[5]

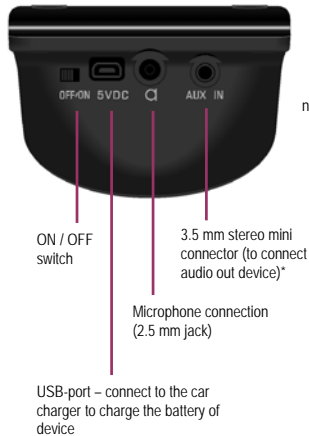


[6]



## 2. Connection & Buttons Explanation

### Connectors (back side)



### Buttons (front side)



### \*NOTE:

An external audio source connected through the 3.5 mm jack can only be played back over the FM transmitter function

### 3. Installation

The EGO Cup FM can be easily mounted inside the car by either using the mounting rotor to fix the EGO Cup FM in the car's cup-holder, or fixing the EGO Cup FM on the Herbert-Richter system adapter.

#### Using Mounting Rotor

**Step 1:**  
Press the EGO Cup FM on the hooks of the mounting part



**Step 2:**  
Turn the EGO Cup FM to the right until it is fixed on the mounting part.



Now you can press the mounting rotor fixed with the EGO Cup FM into the cup-holder of your car.

## Using Herbert Richter Adapter



**Step 1:**  
Press the EGO Cup FM on the hooks of the Herbert-Richter adapter

**Step 2:**  
Turn the EGO Cup FM to the right until it is fixed on the Herbert-Richter adapter

Now you can adjust the adapter with the EGO Cup FM to an applicable counterpart in your car.

### **NOTE:**

Please make sure to place your mobile phone not too close to the Ego Cup FM (it should be put at least 30 cm / 1 feet from the EGO Cup FM). If the two devices are placed too close to each other, there is a risk that these two devices will interfere each other so that you may hear static noise or the connection gets lost.

## 4. Operating Instructions

### 4.1. Turning On / Off the EGO Cup FM

- To turn on: switch the ON/OFF switcher to "ON". You will hear one low tone followed by one high tone and blue LED will blink once every 3 seconds. This indicates the car-kit is powered on. If you haven't paired your EGO Cup FM with *Bluetooth* devices (e.g.: mobile phone) the EGO Cup FM will enter the pairing mode right after you turn it on (see 4.2. for detailed pairing procedure).
- To turn off: switch the ON/OFF switcher to "OFF". You will hear two high tones followed by one low tone. This indicates the car-kit is powered off.

### 4.2. Pairing & Connecting the EGO Cup FM with a *Bluetooth* Device

#### 4.2.1. Pairing the EGO Cup FM with a *Bluetooth* Device / *Bluetooth* Mobile Phone

Before making and answering calls, you must pair your EGO Cup FM with your mobile phone. This is a one-time procedure to authorize the EGO Cup FM and your mobile phone with each other.

Detailed pairing procedure is as follows:

1. Place your EGO Cup FM close to your *Bluetooth* enabled mobile phone and ensure your EGO Cup FM and your mobile phone are powered on.  
**Note:** If your EGO Cup FM hasn't been paired with any *Bluetooth* devices / mobile phone before, it will enter the pairing mode automatically once you turn it on. You will hear the Pairing Tone (high-low-high-low tones), the blue LED will blink once every second, and the *Bluetooth* symbol will appear on the LCD and blink once every 2 seconds.
2. Following your mobile phone user guide to activate *Bluetooth* device search on the mobile phone side. On your mobile phone screen you will see a list of *Bluetooth* devices found by the mobile phone at the end of the searching process.
3. Select "EGO CUP FM" from the list and initiate pairing following your mobile phone's on-screen prompts.
4. Continue to follow on-screen prompts to enter passkey "0000" and confirm to pair the EGO Cup FM with your mobile phone. Once the pairing procedure is completed, you will hear one high tone and the mobile phone / device name will be displayed. It indicates that the EGO Cup FM and the mobile phone are paired.

**NOTE:**



- If your mobile phone shows that pairing is failed and the EGO Cup FM is still in the pairing mode, you need to go back to above steps 2-4 to repeat the pairing process.
- The EGO Cup FM can be paired with up to 8 *Bluetooth* devices (including mobile phones). The corresponding 8 sets of pairing information are recorded by the EGO Cup FM. Each paired device can wireless communicated with the EGO Cup FM after setting up a *Bluetooth* connection.
- Right after the pairing process is successful, it is possible that your mobile phone name cannot be displayed (i.e. because the name exceeds 12 characters allowed). If this is the case, the *Bluetooth* symbol will appear on the display instead of the mobile phone name.

**4.2.2. Connecting / Disconnecting your EGO Cup FM with a *Bluetooth* Device**


To use the EGO Cup FM with a *Bluetooth* device the *Bluetooth* connection between both devices shall be established in advance. If two *Bluetooth* devices have been paired once, you can simply reconnect them, even when the two devices have been disconnected or turned off in the mean time.

**Connecting your EGO Cup FM with a *Bluetooth* mobile phone**

Initiating a request from either the EGO Cup FM or the mobile phone can set up *Bluetooth* connection.




- If you want to initiate the connection request from the EGO Cup FM: Place the EGO Cup FM close to the *Bluetooth* mobile phone, then press  button briefly. The  symbol will appear shortly on the LCD and one high tone will be heard when it's successfully connected.
- If you want to initiate the connection request from the *Bluetooth* mobile phone: Place the EGO Cup FM close to the *Bluetooth* mobile phone and then follow the mobile phone's user guide to find the EGO Cup FM and send connection request.

**Disconnecting your EGO Cup FM from your *Bluetooth* mobile phone:**

When the EGO Cup FM is connected with *Bluetooth* mobile phone (or in the connected mode), you can disconnect them either by pressing and holding  button for at least 3 seconds or by following the mobile phone's user guide and initiating disconnection from the phone side. After disconnecting, you will hear one low tone, then the blue LED will give 1 blink per 3 seconds and you will see "EGO CUP FM" on the LCD-display.





### 4.2.3. Erasing Pairing Information

This EGO Cup FM can be paired with up to 8 *Bluetooth* devices. To erase all pairing information stored in the EGO Cup FM, first you have to disconnect the EGO Cup FM from all connected mobile phones by pressing  button for at least 3 seconds until the *Bluetooth* symbol appears on the LCD-display, then press and hold  button for at least 6 seconds. The  icon will appear on the screen, which indicates that all pairing information have been erased.





## 4.3. Call Functions

Before operating call functions make sure both EGO Cup FM and your mobile phone are powered on and have been connected.



### 4.3.1. Basic Call Operation

- Answer Call or Redial: Press button  briefly
- Reject or End Call: Press button  briefly

### 4.3.2. Call Mute / Un-mute


You can mute an ongoing call by simultaneously quickly pressing the button  and button . When the ongoing call is muted, two tones will be heard every 3 seconds. You can un-mute the ongoing call by simultaneously quickly pressing again button  and button  again.


### 4.3.3. Transferring Call to/from Your Mobile Phone

- Transferring calls to your mobile phone: Press button  briefly
- Transferring calls from your mobile phone: Press button  briefly

### 4.3.4. Advanced Call Functions

#### Mobile Phone - Voice Dialing

If the connected mobile phone supports voice dialing, you can press and hold button  for at least 6 seconds to activate voice dialing. The blue LED glows brightly without blinking.






When voice dialing is in progress, you can quick press button  to cancel voice dialing.

**Note:**

Before using voice dialing, you must record voice tags in your mobile phone. Please refer to your mobile phone manual for detailed descriptions on how to set up voice dialing and recording voice tags.

**Call Waiting / Conference**

If your mobile phone has call waiting/conference functions, your EGO Cup FM can support the function by following operations:

- When a new call comes in while you are in talk:
  - Press and hold button  for at least 3 seconds to hold active call and accept incoming call, OR
  - Press button  to end active call and answer incoming call.
- When two calls are in progress, one is active and the other is on hold:
  - Press and hold button  for at least 3 seconds to toggle hold call and active call.
  - Press button  to end active call and accept hold call.
  - Press and hold button  for at least 3 seconds to make conference (**NOTE:** this function is available only if your mobile phone supports the conference call feature!)

**4.4. A2DP Function**


This EGO Cup FM supports the *Bluetooth* A2DP Profile to play music in high quality. When connecting with a *Bluetooth*-enabled multimedia/music player or a mobile phone with A2DP compatibility, the product allows users to enjoy and remotely play stereo music from the player.


**4.4.1. Using Mobile Phone's A2DP Function**


If your mobile phones support *Bluetooth* A2DP profile, you can establish an audio connection between the mobile phone and the EGO Cup FM to enjoy music played by the phone. Most mobile telephones will establish the audio connection automatically when you start playing music. If your mobile phone does support *Bluetooth* A2DP profiles but you fail to get an audio connection when you start playing music, you must follow your phone user guide to establish an Audio connection before playing music.


#### 4.4.2. AVRCP Operations (Remote-Control)

The following operations can be used for remotely control your *Bluetooth* capable mobile phone or multimedia/music player to play music:



Play/Pause: Press and release button  quickly

Stop: Press and release button  quickly

Forward: Press and release button  quickly

Backward : Press and release button  quickly

#### 4.5. Volume Adjustment

You can adjust sound volume up or down by pressing button  or  , respectively, while the EGO Cup FM is in the connected, talk, or play mode. You can repeat the above operation until the speaker volume reaches at a desirable level. This volume adjustment does not work when the EGO Cup FM's performing FM transmission function. In this case the volume will be controlled from the car radio.


##### **Note:**



Mostly the *Bluetooth* volume control of the EGO Cup FM will synchronize with the phone. That is, the sound volume of your EGO Cup FM can be controlled by your phone and vice versa. However, this may not be always true due to variations on implementations chosen by different mobile phone manufactures.

#### 4.6. FM Transmission Function

This EGO Cup FM supports FM transmission to transfer the call and play music over the car speaker. Therefore you have to set your EGO Cup FM to a same frequency like your car radio. Then you can enjoy high quality sound both over your EGO Cup FM speaker or the car speaker.

##### 4.6.1. Using FM Transmission

You can enable FM transmission by simultaneously quick pressing button  and button  .

You can disable FM transmission by simultaneously quick pressing button  and button  again.

#### 4.6.2. FM Transmission Operation

The EGO Cup FM has 6 different FM Channels, which have been stored to the following frequencies (factory setting): FM1: 87.50 MHz, FM2: 91.00 MHz, FM3: 94.50 MHz, FM4: 98.00 MHz, FM5: 101.50 MHz and FM6: 105.00 MHz. You can switch between these channels, by pressing **➤** button (to choose next channel) or **➤** button (to choose previous channel) for at least 3 seconds.

Because of regional radio stations it may happen that the pre-selected frequencies are occupied and cannot be used for the transmission to your car radio. In this case you can change the frequency of the channels as follows:

1. Please search with you car radio for a frequency that is not occupied by a radio station
2. Select the FM channel on the EGO Cup FM that should be used with another frequency.
3. Press the **➤** button for at least 6 seconds and keep it pressed. You will hear two tones and the display shows how the frequency for this channel is increased. If you have reached the desired frequency please release the **➤** button.
4. To store this frequency please press **▶|**.

If you want to lower the frequency of a channel please follow the instructions above but instead of the **➤** button please press the **⏪** button.

**Note:**

*Do not use FM Transmission during the charging, to avoid the radiation, crosstalk or static noise in the car radio.*

## 5. Summary of Functions and Button Operations

### 5.1. LED Indicator Patterns

LED Pattern 1 – Standby mode:	Blue LED blinks once every 3 seconds
LED Pattern 2 – Connect mode:	Blue LED glows dimly without blinking
LED Pattern 3 – Call mode:	Blue LED glows brightly without blinking
LED Pattern 4 – Pairing mode:	Blue LED blinks once every second
LED Pattern 5 – Low power warning:	Red LED is ON and blue LED blinks once every 20 seconds
LED Pattern 6 – Audio mode:	Blue LED glows brightly without blinking

## 5.2. Key Duration

Key Press	Description
Short	Press and release a button quickly
Long	Press and hold a button for at least 3 seconds, then release
Very Long	Press and hold a button for at least 6 seconds, then release
Hold	Hold button down

## 5.3. Functions and Button Operations

You can follow the instructions listed on Table 1 – 7 below to operate your EGO Cup FM.

**Note:**

Your EGO Cup FM can only talk to paired *Bluetooth* devices. For devices supporting only the Hands-free Profile (HFP), you also need to establish *Bluetooth* connection between your EGO Cup FM and your mobile phone before making and answering calls.

Table 1: Power on/off

FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LED INDICATOR
Turn On	Power On	Power Off	Move the "OFF/ON" switch to "ON"	One low tone followed by one high tone	Blue LED blinks once every 3 seconds
Turn Off	Power On	Standby	Move the "OFF/ON" switch to "OFF"	Two high tones followed by one low tone	Blue LED is OFF

Table 2: Pairing/Connections









FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LED INDICATOR
Pair EGO Cup FM with mobile phone	Power on	Pairing mode	Automatic, no operation needed	One high tone	Blue LED glows brightly without blinking
Erase all paired profiles	Disconnected to all devices	Disconnected to all devices	Press  button for at least 3 seconds, then release, and then press and hold  button for at least 6 seconds, then release	One high tone	Blue LED blinks once every 3 seconds
Connect EGO Cup FM with mobile phone	Standby (disconnected)	Standby (disconnected)	Press and release  button quickly	One high tone	Blue LED glows dimly without blinking
Disconnect	Standby (connected)	Standby (connected)	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED blinks once every 3 seconds

Table 3: Basic Call Functions

FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LED INDICATOR
Answer Call	Incoming call	Incoming call	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Reject/End Call	Connected	Connected	Press and release  button quickly	One high tone	Blue LED glows dimly without blinking
Outgoing number redial	Connected	Connected	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Incoming call redial	Connected	Connected	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED glows brightly without blinking











Voice Dialing	Connected	Connected	Press and hold  button for at least 6 seconds, then release	One high tone	Blue LED glows brightly without blinking
Cancel Voice Dialing	Voice Dialing	Voice Dialing	Press and release  button quickly	One high tone	Blue LED glows dimly without blinking
Volume Up	Connected/Call	Connected/Call	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Volume Down	Connected/Call	Connected/Call	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Mute	Call	Call	Press  and  button at the same time and release quickly	One high tone followed by 2 low tones every 3 seconds during mute-call	Blue LED glows brightly without blinking
Un-mute	Call	Call	Press  and  button at the same time and release quickly	One high tone	Blue LED glows brightly without blinking
Transfer Call (EGO Cup FM to mobile phone)	Call	Call	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Transfer Call (mobile phone to EGO Cup FM)	Call	Standby	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking

Table 4: Call Waiting and 3-Way Calling (Conference)








FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LED INDICATOR
Hold active call and answer incoming call	Connect/C all	Incoming Call	Press and hold  button for at least 3 seconds	One high tone	Blue LED glows brightly without blinking
End active call and answer incoming call	Connect/C all	Incoming Call	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Reject incoming call	Connect/C all	Incoming Call	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED glows brightly without blinking
Toggle active call and hold call	Call on hold	Call on hold	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED glows brightly without blinking
End active call and accept hold call	Call on hold	Call on hold	Press and release  button quickly	One high tone	Blue LED glows brightly without blinking
Release all held calls	Call on hold	Incoming Call	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED glows brightly without blinking
Conference call	Call on hold	Call on hold	Press and hold  button for at least 3 seconds, then release	One high tone	Blue LED glows brightly without blinking



Table 5: Audio Operations (A2DP)




















FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LCD INDICATOR
Play		A2DP Mode	Press and release  button quickly	One high tone	
Pause		A2DP Mode	Press and release  button quickly	One high tone	
Stop		A2DP Mode	Press and release  button quickly	One high tone	
Volume Up		A2DP Mode	Press and release  button quickly	One high tone	
Volume Down		A2DP Mode	Press and release  button quickly	One high tone	
Forward		A2DP Mode	Press and release  button quickly	One high tone	
Backward		A2DP Mode	Press and release  button quickly	One high tone	

Table 6: FM-Transmission

FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE / PLAYER	EGO CUP FM		AUDIO TONE	LED INDICATOR
Enable / disable FM transmission		All except Search-FM	Press ◀ and ▶ button at the same time and release quickly	One high tone	Blue LED blinks once every 3 seconds
FM searching forward / set a frequency	Connect	Connect	Hold ▶ button down then press and release ⏪ button quickly	One high tone	
FM searching backward / set a frequency	Connect	Connect	Hold ◀ button down then press and release ⏩ button quickly	One high tone	
Select FM Pre-Set channels forward (1-6)	Connect	Connect	Press and hold ▶ button for at least 3 seconds, then release	One high tone	
Select FM Pre-Set channels backward (6-1)	Connect	Connect	Press and hold ◀ button for at least 3 seconds, then release	One high tone	

Table 7: Others

FUNCTION	CURRENT STATUS		OPERATION	EGO CUP FM INDICATOR	
	MOBILE PHONE	EGO CUP FM		AUDIO TONE	LED / LCD INDICATOR
Enable/disable auto connect feature		Standby	Press and hold ⤴ button for at least 6 seconds, then release	One high tone	

Mute EGO Cup FM speaker		Call	Press and hold  and  button for at least 3 seconds	One high tone	Blue LED glows brightly without blinking
Un-mute EGO Cup FM speaker		Call	Press and hold  and  button for at least 3 seconds		
Low Power Warning		Unchanged	-	One high tone every 60 seconds	Red LED is ON and blue LED blinks once every 20 seconds
Mute Remind		Unchanged	-	Two high tones every 3 seconds	Red LED is ON and blue LED blinks once every 20 seconds
See incoming call number	Incoming call	Incoming call	Press and hold  button for at least 3 seconds, then release	-	Incoming call number appears on the LCD
Volume maximum or minimum is reached		Unchanged	-	High – low tones	Blue LED glows brightly without blinking

## 6. Technical Data

Dimension: 76 mm x 71 mm x 50 mm / 3.0 x 2.8 x 1.9 Inches  
 Weight: 96 gram / 3.4 oz  
 Length of cable-adaptor: 0.6 m / 23 Inches  
 Operating voltage: 12V  
 Operating temperature: -20°C to +70°C / - 4° to 158°F

Supported *Bluetooth* Profiles: Handsfree, A2DP, and AVRCP  
*Bluetooth* Specification: *Bluetooth 2.0*