

INSTRUCTION MANUAL



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Introduction

While thanking you for the appreciation you have shown for the Cellular Line products, Cellular Italia S.p.A. wishes to give you some useful information:

TRIBE is a radio device for communicating wirelessly among users up to long distances (with no limit to the number of users) using a Bluetooth® headset - no hands needed!

TRIBE can be paired and can communicate with motorcycle and general purpose Bluetooth® headsets.

TRIBE has a compact, small structure so is easier to carry around, featuring a backlit display and rubber push buttons. Its structure guarantees an IP44 certified protection level against atmospheric agents (IP44 level protects against the penetration of solid bodies bigger than 1 mm, the infiltration of liquids, drops, steam and sprays from all directions).

To make it even easier to use and manage the functions, TRIBE has only three big push buttons, easy to feel even with gloves on.

TRIBE can be kept in your pocket, on your belt with a clip (supplied) or inside any handlebar case or tank bag (recommended).

TRIBE is a transceiver that can be used licence free all over Europe. As far as the use of TRIBE in Italy is concerned, it meets the existing "Electronic Communications Code" (Italian Legislative Decree 259/03).

All PMR 446 equipment in Italy is subject to a declaration of use and an annual fee - for information contact the relevant Territorial inspectorate (Ministry of Communications www.sviluppoeconomico.gov.it/comunicazioni) to apply for the form and how to go about obtaining the general authorisation for using PMR 446 equipment. The use of this equipment is considered legal only after having sent the forms required, retaining a copy for yourself.

Besides Italy, the PMR 446 transceiver can be used in the following European countries: France, Spain, Austria, Germany, Denmark, Holland, Ireland, Great Britain, Sweden, Portugal, Finland, Belgium,

Czech Republic, Norway, Switzerland, Luxemburg and Greece. **For use in the above listed countries we still advise you finding out what the existing rules are in each one.**

A description of TRIBE

1. Antenna (not removable)
2. LED
3. Backlit LCD display
4. Menu push button
5. UP adjustment button
6. DOWN adjustment button
7. Multifunction socket / charging and accessories
8. Belt clip
9. Battery compartment cover
10. Lithium battery pack

Package contents

- a) TRIBE transceiver
- b) Battery
- c) Mains battery charger
- d) Instructions for use
- e) Belt clip

Technical specifications

Standard PMR446

Operating range: 446.00625 – 446.09375 MHz

Operating channels: 8

CTCSS codes: 38 per channel

DCS codes: 83 per channel

Channel spacing: 12 KHz

Modulation type: FM

Transmitting power: 500mW

Range: up to 12km in an open field

Performance: 20 hours (5% transmitting, 5% receiving, 90% standby)

Battery: Lithium battery pack 3.7V 1000mAh (BSI3650)

Weight (with battery): 96 g

Care and maintenance

If you do not use TRIBE for a long time, charge the battery every 2 to

3 months to prevent damage.

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

Important: remove the batteries before cleaning to prevent water from seeping through the connector on the bottom and damaging the control unit or electrical contacts. Make sure you close the rubber cap well protecting the micro USB connector.

Assistance and Warranty

The product is guaranteed in compliance with the laws and regulations applicable in the Countries where it is distributed. For assistance or product spares, please contact the dealer where you purchased it

1.0 Preparation

Fitting and charging the battery

Before you can use TRIBE you need to charge the battery supplied with it.

To access the battery compartment, remove the belt clip and back cover.

1.1 Removing the belt clip

Pull the lever of the belt clip outwards, simultaneously pushing the clip up as shown in Fig. 1

1.2 Removing the back cover

- a. Turn the lock hook on the bottom of TRIBE, pulling it outwards as shown in Fig. 2
- b. Take the back cover off, lifting it from the bottom up Fig. 3
- c. Put the battery in as shown in Fig. 3
- d. Replace the back cover, first inserting the top and then the bottom part, Fig. 3
- e. Close the lock hook, turning it upwards, Fig. 2

1.3 Fitting the belt clip

- a. Slide the clip guides into place on TRIBE as shown in Fig. 1
- b. When you hear a click you know the clip is locked; try sliding the

clip upwards to test it.

1.4 Charging the battery

- Connect the battery charger (supplied in the kit) to a 110-220V current socket.
- Open the rubber cover covering the socket on the bottom of TRIBE, Fig. 4
- Insert the battery charger's mini usb pin into the TRIBE socket, Fig. 4

The mini USB pin should slot into the socket easily; if it does not, check correct insertion direction.

You can charge the battery with TRIBE on or off but it is better to turn it off before charging.

Once the battery charger is connected the charging icon shows the sequential scrolling of the notches inside it, indicating that the battery is being charged.





If TRIBE is off, when charging is complete the battery icon disappears from the display.

If TRIBE is on, the battery icon will continue showing the sequential scrolling of the notches even when it is completely charged. The charging status will only be shown when the battery charger is disconnected.

1.5 Battery level indicator

The battery level indicator is displayed on the bottom right; it appears as a battery with three notches inside it – these indicate the level of energy left. When the battery level reaches minimum and TRIBE is on, the unit will give out two Beeps and switch itself off.

TRIBE measures battery charging on 4 levels:

-  3 notches – battery fully charged
-  2 notches – battery half charged
-  1 notch – battery at low level. At this level, TRIBE gives an acoustic signal approximately every 10 seconds
-  0 notches – battery at a very low level; when TRIBE reaches the minimum level it emits two tones and switches off.

It takes about three hours for the battery to recharge completely.

2.0 Using the transceiver

The maximum distance at which TRIBE devices can be used depends on environmental conditions and on the land. It can reach up to 12Km in wide open spaces, without obstructions, such as hills, buildings, trees, etc.

2.1 Turning the unit on and off

Power ON

Press the MENU key and keep it pressed until the display switches on and briefly displays ON.

Note: the back lighting of the display turns off automatically after about ten seconds to save energy but the display is always active.

Power OFF

Press the MENU key and keep it pressed until OF (equivalent to OFF) is shown briefly on the display and then turns off.

2.2 Pairing between TRIBE and the Bluetooth® headset

Before TRIBE can be used with any Bluetooth® headset (helmet or otherwise), a pairing procedure has to be carried out between the two devices so they recognise each other and can communicate. To do this, set TRIBE and the Bluetooth® headset in the pairing mode.

- a. Switch TRIBE on,
- b. Press simultaneously, and briefly, the MENU and UP keys, checking that the top LED starts flashing in blue – the Bluetooth® icon on the display should flash at the same frequency.
- c. Set the Bluetooth® headset on the pairing mode. To do this, consult the Bluetooth® headset instruction booklet. It will usually suffice to press the primary key and hold it down for about ten seconds or until the LED starts flashing from Red to Blue.
- d. Press the TRIBE MENU key once to start the search for the device to pair. The top LED and the Bluetooth® icon on the display start flashing quickly, indicating that the search mode is ongoing.

- e. When the Bluetooth® headset has been found, TRIBE connects automatically. The top LED turns off while the Bluetooth® icon on the display stops flashing and becomes a steady light meaning the two devices are connected.

2.3 NOTE

At this stage communication is possible in Half duplex (communication is bidirectional not simultaneous) with other users that have the same system and/or have set their transceiver on the same channel as yours.

Start talking to start the communication.

Bear in mind that voice activation is never immediate so some syllables of the first word you say might be lost: before you actually start talking it is a good idea to first say your name or the name of the person you are calling or simply a word you have agreed upon.

2.4 NOTES using F4 Interphone/F3 Interphone

When the Bluetooth® connection drops, the F4 Interphone LED flashes as too does the Bluetooth® icon on the TRIBE display. The F4 Interphone attempts to reconnect automatically and when it does the LED stops flashing and becomes a steady light. Likewise the TRIBE Bluetooth® icon stops flashing.

2.5 NOTES using a standard Bluetooth® headset

If the Bluetooth® connection with headset drops, the Bluetooth® icon starts flashing on the TRIBE display meaning there is a problem. To reconnect the two devices you need to switch TRIBE off and then back on. When TRIBE is turned on again it will connect automatically to the Bluetooth® headset.

The Bluetooth® icon disappears automatically from the display when an optional kit like a wired headset is connected to the TRIBE mini USB connector.

In this case, an icon appears on the display depicting a pair of earphones which disappears when the headset is disconnected.

3.0 Basic operations

TRIBE has 8 channels for communicating with other TRIBE users or PMR446 devices within a certain range; for them to communicate with each other they must all be tuned into the same channel.

Each channel has 38 subchannels (subcodes) so that several groups of users can communicate on the same channel without interfering with each other and have a more 'selective' conversation (almost exclusive).

If you have set a subchannel you may only communicate with other users who have set their transceiver on the same channel and subchannel.

To disable the CTCSS function, simply set the subchannel on zero and then you will be able to communicate with all TRIBE users set in the same way or with PMR446 devices without the CTCSS function.

Besides the subchannels, each channel also has 83 digital codes. By setting the digital codes you will have an even better radio signal and your conversations will be less subject to interference.

3.1 Selecting the channel

- a. Turn TRIBE on (see point 2.1)
- b. Press the MENU button once – the number of the channel in the middle of the display starts flashing.
- c. Press the UP or DOWN button to select the channel number wanted; you can select channels 1 to 8 and vice versa.
- d. Press the MENU button once to store the channel chosen immediately or just wait a few seconds until the number of the channel stops flashing; the new number is now automatically stored and TRIBE returns to the standby mode.

NOTES: In standby mode, TRIBE is always ready to receive incoming communications from other devices set on the same channel; when TRIBE receives a signal the RX (reception) symbol is displayed.

3.2 Selecting the CTCSS subchannel

- a. Turn TRIBE on (see point 2.1)
- b. Press the MENU button twice – the number of the subchannel in

the top right corner starts flashing, make sure that the letters CTCSS are by the side of it

- c. Press the UP or DOWN button to select the subchannel number wanted; you can select channels 0 to 38 and vice versa.
- d. Press the MENU button once to store the subchannel chosen immediately or just wait a few seconds until the number of the subchannel stops flashing; the new number is now automatically stored and TRIBE returns to the standby mode.

3.3 Selecting the advanced DCS digital codes

- a. Turn TRIBE on (see point 2.1)
- b. Press the MENU button three times – the number of the digital code in the top right corner starts flashing, make sure that the letters DCS are by the side of it
- c. Press the UP or DOWN button to select the digital code number wanted; you can select digital codes from 0 to 83 and vice versa.
- d. Press the MENU button once to store the digital code chosen immediately or just wait a few seconds until the number of the digital code stops flashing; the new number is now automatically stored and TRIBE returns to the standby mode.

3.4 Activating automatic channel scanning

Automatic channel scanning searches all 8 channels continuously to find radio signals.

The search may also be done on all 38 CTCSS codes and on all the 83 DCS codes.

NOTES: automatic channel scanning may only be done when TRIBE is connected to its Bluetooth® audio device.

If there is no headset connected and you press MENU scanning is not interrupted; to interrupt the search connect an audio device or turn TRIBE off.

3.5 Automatic channel scanning

- a. Press the MENU key four times, the SCAN icon appears on the left of the display.
- b. Press the UP or DOWN key to start scanning the 8 channels; when an active signal is found on a channel scanning stops on that channel for a few seconds.

The channel is detected only when a radio transmission is

ongoing between at least two PMR446 devices.

- a. Press the MENU button once to store the channel chosen immediately; the new number is now automatically stored and TRIBE returns to the standby mode.

3.6 Automatic scanning of the CTCSS codes

- a. Press the MENU key five times; the CTCSS icon flashes on the display.
- b. Press the UP or DOWN key to start scanning the 38 CTCSS codes; when an active radio signal is found on a code scanning stops on that code.
- c. Press the MENU button once to store the code chosen immediately; the new number is now automatically stored and TRIBE returns to the standby mode.

3.7 Automatic scanning of the digital DCS codes

- a. Press the MENU key six times; the DCS icon flashes on the display.
- b. Press the UP or DOWN key to start scanning the 83 digital DCS codes; when a radio signal is found on a digital code scanning stops on that code.
- c. Press the MENU button once to store the digital code chosen immediately; the new number is now automatically stored and TRIBE returns to the standby mode.

4.0 Vox mode

TRIBE does not have the PTT activation button (push to talk) but it features voice activation therefore, to communicate with a group for instance, simply start talking and radio transmission starts automatically to the other users.

When you stop talking, TRIBE continues transmitting for two seconds and the other users will hear a warning sound (double BEEP) after which another user can start talking.

During the radio transmission, the TX (transmission) icon appears on the display. It disappears when the transmission ends.

The Vox mode can be set on three different sensitivity levels – based on external noise and/or where the device is being used.

NOTES: you will only be able to communicate with other users tuned in to the same channel.

Bear in mind that voice activation is never immediate so some syllables of the first word you say might be lost: before you actually start talking it is a good idea to first say your name or the name of the person you are calling or simply a word you have agreed upon.

4.1 Selecting Vox sensitivity

- Press the MENU key seven times. The Vox icon appears on the display and OF flashes.
- Press the UP or DOWN key to select Vox function sensitivity. Voice activation sensitivity can be set on three different levels: L1, L2 and L3.
TRIBE reacts to the slightest noise (including background noise) when set on the highest level.
TRIBE reacts only to high intensity noise when set on the lowest level.
- Press the MENU push button to store the setting and return to the standby mode.

4.2 Selecting the Energy Saving mode

To increase battery life TRIBE can be set in the energy saving “LO” mode.

In the “LO” mode TRIBE can reach a maximum distance of about 4Km with an approximate energy saving of 30%.

In the “HI” mode TRIBE uses maximum power and can reach a maximum distance of approximately 12Km.

- Press the MENU key eight times: the HI or LO icon starts flashing.
- Press the UP or DOWN key to select the HI (up to 12KM) or LO (up to 4Km) function.
- Press the MENU push button once to store the setting and return to the standby mode.

4.3 Adjusting the volume

Use the volume buttons on the Bluetooth® device you are using

to adjust the listening volume. Press repeatedly the + or – volume button to adjust the level.

When using a wired headset (optional) connected to TRIBE, adjust the volume by pressing TRIBE's UP or DOWN key.

4.4 Keypad lock function

There is also a key lock function to ensure that the TRIBE buttons cannot be pressed accidentally.

- a. To lock the buttons press the DOWN key and hold it down for three seconds; the “key” icon appears on the display confirming that the keys are locked.
- b. To release the buttons, press the DOWN button again for three seconds; the “key” icon disappears from the display.

5.0 QUICK GUIDE

Brief guide for using TRIBE quickly

- a. Make sure the TRIBE battery and the Bluetooth® headset are charged.
- b. Set the Bluetooth® headset in the pairing mode.
- c. Press simultaneously, and briefly, the TRIBE MENU and UP keys, checking that the top LED starts flashing blue.
- d. Press the TRIBE MENU key once, the LED starts flashing quickly indicating the search mode.
- e. After a few seconds TRIBE connects automatically to the headset and the LED turns off.
- f. Repeat the procedure with the other TRIBE and Bluetooth® headsets to use in the same group.
- g. Select the channel you want to use on each TRIBE device.
- h. Press the MENU button once – the number of the channel in the middle of the display starts flashing.
- i. Press the UP or DOWN button to select the channel number wanted, from 1 to 8 and vice versa.
- j. Press the MENU button once to store the channel chosen immediately; the new number is now automatically stored and TRIBE returns to the standby mode.

- k. Repeat the procedure with the other TRIBE devices and Bluetooth® headsets to use in the same group of users. At this stage you will now be able to communicate in Half duplex (communication is bidirectional, not simultaneous) with the users using the same settings.

Start talking to start the communication.

For other groups of users to talk on the same channel without interfering with each other and to have a more selective conversation, also set a subchannel as explained in point 3.0. If you have set a subchannel you may only communicate with other users who have set their transceiver on the same channel and subchannel.

6.0 Important notes and General Recommendations

6.1 Locking devices

If radio interference is high due to the vicinity of repeaters, high voltage pylons, different kinds of radio signals, radio/Bluetooth® communication and/or the devices themselves could shutdown. To restore functioning, try moving away from the area of interference and/or turn the devices off and then back on.

Do not dismantle or attempt to repair the transceiver for any reason whatsoever; its precision mechanical and electronic components need experience, skill and the right tools.

If unauthorised personnel open the transceiver the warranty is automatically invalidated.

6.2. Range

TRIBE has a range that can be as much as 12 Km under ideal conditions.

As a rule, the range in towns in high traffic areas and building density varies from 1 to 2 Km; in the outskirts where there are only a few buildings and vegetation, range can vary from 2 to 6 Km; in completely open flat land, without any obstacles, coverage can be as much as 12 Km.

Range can be less if the battery is not completely charged or if other

types of transceivers are used.

Weather conditions can negatively influence reception/transmission quality and range.

6.3 Care and attention to radio frequencies

To guarantee optimum radio performance and ensure that human exposure to the electromagnetic frequencies is within the parameters established by law, always follow this procedure: when using a portable transceiver, if possible keep it upright and at least 2.5 cm from your head and body; the best position on a motorcycle is inside a case on the handlebar or tank.

6.4 Electromagnetic compatibility

All electronic equipment is subject to electromagnetic interference (EMI) if not adequately shielded and designed or configured for electromagnetic compatibility.

To avoid electromagnetic interference and/or compatibility problems, turn your radio off anywhere signs ask you to like, for instance, hospitals and/or healthcare buildings and areas at risk.

When asked to do so, turn the radio off on board the airplane; all use of the radio must be in agreement with flight regulations.

6.5 Operating precautions

Do not use transceivers if the antenna is damaged. It could come into contact with the skin and slight superficial burns could result.

Take the device with the broken antenna to your dealer who will send it to the authorised assistance service.

Battery

Do not replace/remove the battery pack inside places where there is a high explosion risk.

Only install battery packs that are the same type as that supplied with TRIBE (Cellularline BSI3650 battery).

All batteries or battery packs can cause damage to things and/or injury to people (e.g. burns) if the terminals come into contact with each other or with conductive metal objects like jewels, keys, coins, etc.

Metal materials can cause shorts and become very hot plus the fact the battery could catch fire.

Be particularly careful when handling charged batteries especially when you put them in your pocket, in a bag or somewhere else in contact with metal objects.

The use of parts different from those recommended by the distributor can vary the device's certification: use only original spare parts.

When the battery is flat, dispose of it safely and compatibly with the environment, according to existing laws.

Do not throw the battery into the fire and do not open it.

Waste generated by electronic products must not be disposed of with ordinary household rubbish; this waste must be taken to the local recycling centre for safe disposal.

Vehicles with airbag

Do not put your TRIBE on top of an airbag or on the opening of an airbag.

If an object is on the opening of an airbag and the airbag inflates, the object will be hurled away and injure the occupants of the vehicle.

Potentially explosive atmospheres

Turn your TRIBE off when you are in a potentially explosive atmosphere, such as a petrol station: sparks in such areas can cause explosions or fires.

Do not change batteries in a potentially explosive area.

Explosive areas

To avoid interference with explosive operations, turn the device off when near radio controls because of explosive reactions or in explosion areas or anywhere with signs saying "switch your radio off"; obey all safety signs and instructions.

NOTE: potentially explosive areas are usually (but not always) clearly marked. These areas include petrol stations, below deck on boats, fuel or chemical deposits and pipes, areas where the air contains particles or chemical compounds such as cereal powder, fine dust or metal dust, and all other areas where you are kindly asked to turn the engine of your vehicle off.

Precautions

To reduce the risk of injuries when using the battery charger, use

only battery packs the same as the originals, other types of battery pack could explode causing lesions and injuries.

Do not expose the battery charger to rain or snow.

Do not use the battery charger if it has been knocked badly, if it has fallen or been damaged in any way

Do not dismantle the battery charger; if it is reassembled incorrectly there is the risk of electrical shock or fire

Never alter the power lead supplied with the battery charger. If the plug is a different type from the socket, use an approved adapter or fit the right socket. When you disconnect the battery charger from the socket, grip the power supply and not the wire to reduce the risk of damaging the cable or socket.

To reduce the risk of electrical shock, disconnect the battery charger from the socket before any maintenance or cleaning. The use of non original accessories can lead to a risk of fire, electrical shock or lesions.

To reduce exposure to radio frequency, TRIBE must be at least 5 cm from your face when using it.

Keep TRIBE out of the reach of children.