

AGVOICE OWNER INSTRUCTIONS

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List of Abbreviations

| | |
|------------|---------------------------|
| BT | Bluetooth |
| GPS | Global Positioning System |
| HSP | Headset Profile |
| HFP | Hands-Free Profile |
| M | Master |
| S | Slave |
| N | Null |

1. **Introduction**

This user manual does not offer any specific guarantees. AGV Spa reserves the right to make changes due to printing errors, inaccuracies, information updates or software and/or hardware updates at any time and without prior notice.

All changes will be published in future editions of this user manual.

All rights reserved.

The AGVoice communication system brand name, design and production are all the property of AGV S.p.A.

BLUETOOTH brand names belong to BLUETOOTH SIG Inc.

The AGVoice system complies with all the technical requirements applicable to products that are covered by the following European Union directives:

- 2006/95/EC, 2004/108/EC and 1999/5/EC.
- ETSI EN 301 489-1 + ETSI EN 301 489-17
- ETSI EN 300 328
- EN 60950-1
- EN 50 371

2. **Intended use and preliminary information**

The AGVoice system allows two helmets and/or a helmet and a mobile phone and/or GPS unit to communicate with each other without the need for connecting cables, provided that they are BLUETOOTH* enabled.

(Please note: BLUETOOTH is a system that allows you to transmit data across relatively short distances without the need for cables, using a microchip that transmits on a specific radio frequency. Many of the latest mobile phones are Bluetooth-enabled and are therefore able to work with the AGVoice system, regardless of the telephone network chosen).

AGV helmets that are equipped to use the AGVoice system look the same as normal motorcycle helmets, but inside they are designed to hold an accessory kit with a sophisticated BLUETOOTH intercom wireless device.

The entire system is contained inside the kit, including batteries that can be recharged without removing them from the helmet, using the battery charger provided.

The AGVoice system has no external connection cables or plugs (*except for the battery charger plug*).

3. Safety information and warnings

AGV motorcycle helmets equipped with the AGVoice system allow wearers to talk on their mobile phones, to speak to their passengers or listen to GPS directions in complete safety, leaving the driver's hands free.

!!! WARNING: IN ANY CASE, OBSERVANCE OF THE HIGHWAY CODE AND CONCENTRATION ON COMPLETING THE CORRECT MANOEUVRES WHEN DRIVING A MOTORCYCLE MUST TAKE ABSOLUTE PRECEDENCE OVER THE USE OF A HELMET EQUIPPED WITH AN AGVoice SYSTEM.
DO NOT ADJUST THE AGVoice SYSTEM WHILE DRIVING –
CONCENTRATE ON THE ROAD.

!!! WARNING: ANY ADJUSTMENT TO A HELMET EQUIPPED WITH THE AGVOICE SYSTEM (including, among other things:

- pairing;
- configuration;
- recharging;
- activating;
- deactivating;
- volume adjustment;
- answering a call;
- making a call;
- general use of an AGVoice-equipped helmet;
- etc.)

MUST BE DONE WHEN THE VEHICLE IS STATIONARY.

!!! WARNING: IF THE VOLUME IS TOO HIGH, IT CAN DISTRACT YOU WHILE DRIVING AND CAN CAUSE DANGEROUS SITUATIONS OR REDUCE YOUR ABILITY TO HEAR OUTSIDE NOISES. ADJUST THE VOLUME IN SUCH A WAY THAT YOU CAN HEAR OUTSIDE NOISES AND, IN ANY CASE, WHEN THE VEHICLE IS STATIONARY.

!!! WARNING: When a helmet equipped with the AGVoice system is connected to any mobile phone or a motorcycle navigation system, please consult the user manual for detailed safety information.

!!! WARNING: Do not dismantle, modify or tamper with a helmet equipped with the AGVoice system and/or with the electronic unit inside; any tampering with the helmet or with its electronic unit inside can be dangerous, and will also invalidate the product warranty.

!!! WARNING: Do not wear an AGVoice-equipped helmet when recharging the battery and do not leave the battery to charge for more than 12 hours.

!!! WARNING: When the helmet is not being used for long periods of time, recharge the AGVoice kit's batteries every three months.

!!! WARNING: Do not allow the inside of the helmet to get wet. Should you notice anything unusual (for example smoke or smells), take off the AGVoice-equipped helmet immediately, and should this occur while the battery is being recharged, unplug the battery immediately.

!!! WARNING STATEMENT: Unauthorized repairs, changes or modification could result in permanent damage to the equipment and void your warranty and your authority to operate this device under Part 15 of the FCC Rules

This guide describes the basic functions of the AGVoice device, which includes three communication profiles based on the Bluetooth *communications protocol*:

HFP (*Hands-Free Profile*): for connecting to devices with a similar HFP communication profile

- HSP (*HeadSet Profile*): for connecting to devices with a similar HSP communication profile,

- InterCom Profile (ICP): for allowing communication between two AGVoice-equipped helmets.

Using these profiles, the system can offer various working modes:

- connection to a Bluetooth-enabled mobile phone;
- connection to a Bluetooth-enabled GPS navigation system;
- communication between two helmets using the intercom mode.

In this way, the AGVoice system is able to communicate with all mobile phones that can support an HSP or HFP profile. **How the device functions may vary depending on a number of parameters that differ from one mobile phone brand to another, or from one GPS navigation system to another.**

We advise you to consult your mobile phone's user manual, or that of your GPS navigation system, to ascertain which of these profiles is installed and to check that it works properly before purchasing.

4 Installing the system in a helmet

The AGVoice device is a BT communications kit that is designed to be fitted to the inside of S-4 SV and Stealth SV AGV helmets only.

Do not install the AGVoice device in any other type of helmet.

To install the AGVoice kit inside one of these specifically designed helmets, follow these instructions:

- Remove the chin strap in the middle of the chin guard, at the base of the helmet;
- Remove the helmet's left and right cheek pads, unbuttoning the necessary press-studs;
- Remove the plastic cap that covers the microphone housing in the centre of the chin guard inside the helmet, which aligns with the front air inlet;
- Remove the polystyrene caps in the AGVoice kit's housing, located near the edges of the front chin guard;
- Place the AGVoice kit in the helmet, making sure to position the device's ON button in the lower left of the helmet;
- Secure the helmet's fastening straps in the AGVoice kit's specially designed housings;
- Place the AGVoice kit's edges in the specially created housings located in the helmet's shell after having removed the polystyrene caps, placing the device with the ON button to the left;
- Press the AGVoice kit's microphone into its housing located inside the helmet's chin guard;
- Re-insert the helmet's left and right cheek pads, using the press-studs in the housings provided inside the helmet's shell;
- Re-insert the chin strap, pressing it into the lower part of the helmet's chin guard.

5 Battery charging

(!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

Before using the AGVoice communications system, you need to charge the batteries located inside the helmet.

The system will run for around 8 hours when the batteries are fully charged.

If the device is not used for long periods of time (over three months), you will need to recharge the battery.

Turn the AGVoice system off when you recharge the batteries.

How to recharge the batteries

Plug in the battery charger provided with the AGVoice kit to the mains.

The battery charger works with a voltage of between 100 V up to a maximum of 240 V.

Plug in the battery charger to the appropriate plug in the lower part of the helmet. A blue LED display on the battery charger's plug will light up to indicate that the batteries are charging. The blue light will switch off once the batteries are fully charged.

Charge the batteries completely before using the AGVoice system for the first time.

In future you can also charge the batteries for shorter times, though it is always best to charge the batteries completely when possible: a partial recharge will not guarantee a full running time.

(Recharging a flat battery can take up to six hours).

IMPORTANT: only use the battery charger provided. Do not charge the batteries using other devices. The battery has all the safety systems it requires.

6 Network configurations (!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

PLEASE NOTE: NOT ALL BLUETOOTH-ENABLED TELEPHONES AND/OR GPS NAVIGATION SYSTEMS ARE EQUALLY COMPATIBLE WITH THE AGVoice SYSTEM.

BEFORE BUYING AN AGVoice KIT, ASK YOUR RETAILER IF THE TELEPHONE OR GPS SYSTEM YOU WISH TO PAIR IT WITH IS COMPATIBLE.

Below is a list of Bluetooth network options that can be used with the AGVoice system.

Bluetooth devices that are connected to the network configurations are the following:

- Driver's helmet;
- Passenger's helmet;
- Driver's telephone;
- Passenger's telephone;
- Motorcycle GPS navigation system.

Owing to the characteristics of these Bluetooth devices, a few basic Bluetooth network configurations have been developed. Below is a brief description of each, though the performance of each – as mentioned earlier – may vary according to some parameters that differ from one mobile phone or motorcycle GPS navigation system to another, according to how the manufacturers apply the Bluetooth protocol to their products.

6.1 Helmet-telephone configuration

Using this configuration, the driver's and passenger's helmets are each connected to their own mobile phones. The helmets can work both in HSP and in HFP modes, irrespective of the kind of telephone that has been paired, but **not** with the intercom. Both helmets can make and receive calls.

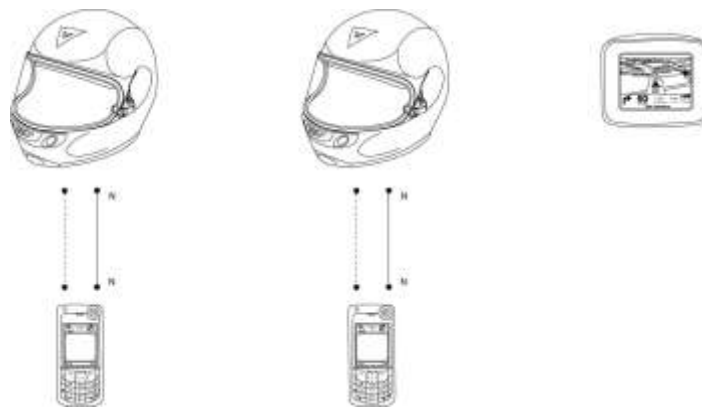


Diagram 1. Helmet-telephone configuration.

In the diagrams, the continuous line represents the Bluetooth *data connection* that links two BT devices, and the dotted line represents the Bluetooth *audio link*.

6.2 Helmet (Master)-helmet (Slave) configuration

Using this configuration, the driver's helmet is **ONLY** connected to the passenger's helmet using the intercom mode.

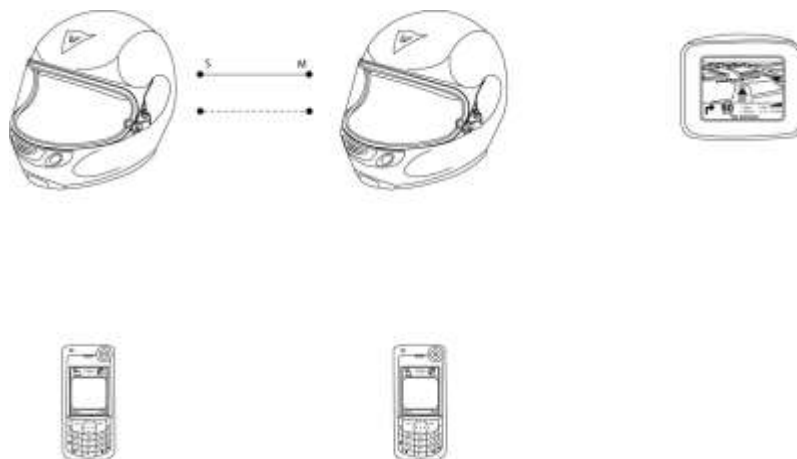


Diagram 2. Helmet-helmet configuration.

6.3 Helmet (Slave)-helmet (Master)-telephone configuration

Using this configuration, the driver's helmet is connected to BOTH a paired mobile phone and the passenger's helmet. The driver's helmet can work both in HSP and in HFP mode and using the intercom, while the passenger's helmet ONLY communicates using the intercom.

Only the driver's helmet can make or receive calls.

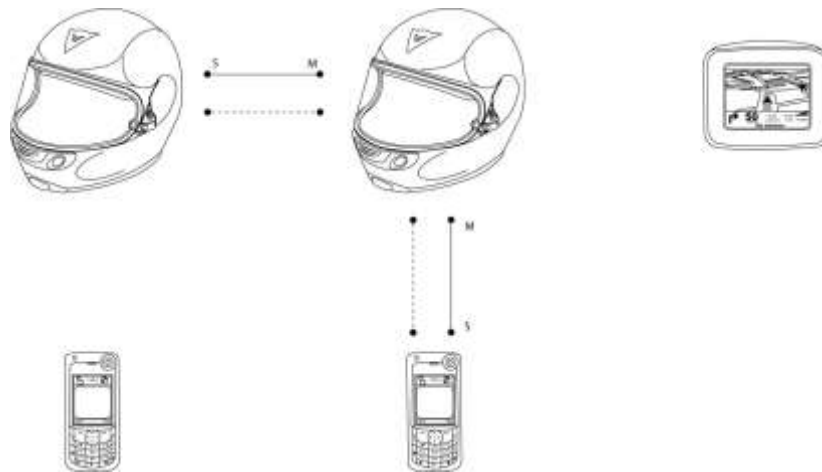


Diagram 3. Helmet-helmet-telephone configuration.

When using this configuration, some mobile phones require an exclusive *voice connection* that cannot be shared with the intercom-mode S helmet. In such cases, it is necessary to disconnect the telephone before switching to intercom mode, and so using the network configuration described in paragraph 0.

6.4 Helmet (Slave)-GPS(Master)-telephone configuration

Using this configuration, the driver's helmet is connected to the GPS navigation system, while the passenger's helmet is connected to a mobile phone. Both helmets can work in HSP and in HFP mode, but **not** with the intercom. If the GPS system is Audio Gateway enabled (as in the case of the Tom Tom Rider), the driver's helmet can make and receive calls, or the driver can choose to communicate exclusively with the GPS navigation system. The passenger's helmet can only make and receive calls.

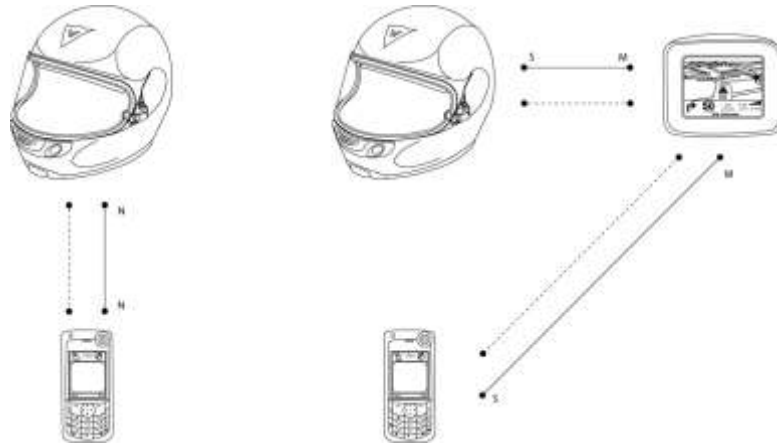


Diagram 4. Helmet-GPS-telephone configuration.

7 Switching the system on and off (!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

In order to activate the AGVoice kit in your helmet, press the button at the bottom of the helmet's shell for around three seconds, until you hear the message '**AGVoice On**' and let go. If no pairing has been saved, the device will immediately shut off after having been switched on.

To switch off the system, press the button for around 10 seconds, until you hear the message '**AGVoice Off**' and then let go of the button.

8 Pairing (!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

In order for two Bluetooth-enabled devices to communicate with each other, they need to be paired, i.e. they need to be 'introduced' to each other.

Below you will find instructions on how to do this, depending on the profile used by the device you wish to connect the helmet to using the AGVoice kit.

In order to check the Bluetooth profile applicable (Headset or Hands-Free), carefully read through the user manual of the mobile phone you wish to pair.

Switch off and then switch back on both the helmet and the phone (or the GPS navigation system) after having completed the pairing procedure.

8.1 Pairing with an HFP (Hands-Free Profile)

- Switch on the system by keeping the button pressed down and, without letting go, wait until you hear the first message 'HANDS-FREE PAIRING' and then immediately let go of the button.
- Now the device can be searched for by a telephone (or another device) with a Hands-free Bluetooth protocol. Once the phone finds the device, it can be connected by typing the PIN code '**1234**' in the phone or other device.
- Connect the phone (or the HFP device) to the AGVoice kit by typing in the PIN code '**1234**', as mentioned above.

The two devices are now paired and the AGVoice kit can be used in a hands-free network configuration.

Switch off and then switch back on both the helmet and the phone (or the GPS navigation system) after you have completed the pairing procedure.

8.2 Pairing with an HSP (Headset Profile)

- Switch on the system by pressing the button and, without letting go, wait until you hear the second message 'HEADSET PAIRING' and immediately let go of the button.
- The device can now be searched for by a telephone (or another device) with a Head-Set type Bluetooth communications protocol. When it has found it, they can be connected by typing in the PIN code '**1234**'.
- Connect the telephone (or the HSP device) to the AGVoice kit by typing in the PIN code '**1234**', as mentioned above.

The two devices are now paired and the HBT card can be used in a headset network configuration.

- Switch off and then switch back on both the helmet and the telephone once you have completed the pairing procedure.

8.3 Pairing helmets via intercom

- You must first decide which helmet will be the Master (M) of communications and which will be the slave (S). The M helmet, as seen in paragraph 6.3, can be connected to the intercom and a telephone at the same time, while the S helmet can only be connected to the M helmet via intercom. Furthermore, the M helmet differs from the S helmet in that it is the only one able to activate the intercom connection with a passenger by pressing the button.
- Switch the helmet on (using the AGVoice kit) that you have chosen as the MASTER by pressing on the button and, without letting go, wait for the third message 'INTERCOM MASTER PAIRING' and then immediately let go of the button.
- Switch the helmet on (using the AGVoice kit) that you have chosen to be the SLAVE by pressing on the button and, without letting go, wait for the fourth message 'INTERCOM SLAVE PAIRING' and then immediately let go of the button.
- Pairing may take a few seconds and both helmets will hear a beep when the pairing is confirmed.

8.4 Choice of language

- Switch the helmet on (using the AGVoice kit) by keeping the button pressed down and, without letting go, wait until you hear the fifth message 'SELECT LANGUAGE' and immediately let go of the button.
 - Push the button and release when you see your preferred language among the five options, which appear in order:
 - 'ITALIANO'
 - 'ENGLISH'
 - 'FRANÇAIS'
 - 'DEUTSCH'
 - 'ESPAÑOL'
- Once you have chosen your language, the AGVoice system will automatically turn itself off.

- The next time the AGVoice kit is switched on, it will start up in your chosen language.

8.5 Resetting pairings

- Switch the helmet on (using the AGVoice kit) by keeping the button pressed down and, without letting go, wait until you hear the sixth message 'RESET PAIRINGS' and immediately let go of the button.
- All previously created pairings on the AGVoice kit will be cancelled.

9 Using an AGVoice-equipped helmet (!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

9.1 Using a helmet with an HFP device (Telephone, GPS, etc)

9.1.1. Pairing

Using the AGVoice kit, pair the helmet with an HFP device as described in paragraph 8.1.

After the pairing procedure is completed, it is advisable to restart the system so as to activate the new configuration. Some models of mobile phone also need to be switched off and back on after pairing.

9.1.2 Using the AGVoice kit to pair the helmet to an HFP device (telephone or GPS navigation system)

After have completed the pairing procedure as described above, you will be automatically connected to the HFP device.

Should the AGVoice kit be turned off to connect to the telephone or GPS navigation system or the last device connected, it will be necessary to first switch on the device as explained previously and then keep the button pressed down until you hear the message 'CONNECT BLUETOOTH DEVICE'.

In order to ensure that the device works properly, it is advisable to always start the Bluetooth connection from the AGVoice kit.

9.1.3 Voice recognition

When the AGVoice kit is connected to a telephone in HFP mode, you can activate the voice recognition function by pressing on the button. When this is switched on, you can make voice calls when this function is activated on the connected telephone. By pressing on the button again, you can exit from the voice recognition function.

9.1.4 Incoming calls

To receive a phone call, which you will be notified of with beeps or with the HFP device's ring tone, you need only briefly press the button. Pressing on the button for about 2 seconds allows you to decline the call.

9.1.5 Outgoing calls

In order to make a call, you can enter into the voice recognition mode as described above and make a voice call or make a call from your mobile phone or from your GPS navigation system.

9.1.6 Adjusting the volume

By pressing down slightly on the button you can adjust the volume (there are four volume levels to choose from). A voice signal will indicate the volume level chosen (volume 1, volume 2, volume 3 and volume 4).

9.1.7 Ending a call

By pressing down on the button for around two seconds, you can end the current call.

NB : So as to achieve the best audio quality possible, it is important to keep your visor lowered.

9.2 Using a helmet with an HSP (Headset Profile) device

9.2.1 Pairing

Pair the HBT card with an HSP device **following** the instructions in paragraph 8.2.

After the pairing procedure is completed, it is advisable to restart the system to activate the new configuration. Some models of mobile phone will need switching off and then back on after pairing.

9.2.2. Connecting to an HSP (telephone or GPS) device

The AGVoice kit and HSP telephones will connect automatically only when the Bluetooth link is required (when there is an incoming call, the telephone will automatically connect to the helmet).

A first connection with the device can be made in the same way as when using an HFP connection, by pressing on the button until you hear the message ‘CONNECT BLUETOOTH DEVICE’.

Where using a mobile device that requires a preliminary connection, it is advisable to start the connection from the helmet using the AGVoice kit to ensure that the device works properly.

9.2.3 Voice recognition

By pressing on the button for around 2 seconds, which will end with a beep, you will activate the voice recognition function in order to make voice calls, if this function has been activated on a phone paired with the AGVoice kit. To exit the voice recognition function, simply press on the button again.

9.2.4 Incoming calls

In order to receive a call, which will be notified with beeps heard in the helmet or with the telephone’s own ring tone, press the button for around 2 seconds. The call can be declined only by **NOT** pressing the answer button.

9.2.5 Outgoing calls

To make a call, you can either go into voice recognition mode, if available, and make a voice call, or you can make the call from your mobile phone or from your GPS navigation system.

9.2.6 Adjusting the volume

A slight pressure on the button allows you to adjust the volume (there are 4 volume levels available). You will hear a message indicating the level you have chosen (volume 1, volume 2, volume 3 and volume 4).

9.2.7 Ending a call

You can end the current phone call by pressing on the button for around 2 seconds.

9.3 Using the intercom

9.3.1 Pairing

Pair the two AGVoice kit-equipped helmets following the instructions in paragraph 8.3.

9.3.2 Activating the intercom

If both helmets are equipped with the AGVoice system, then it is possible to activate the intercom connection at any time by pressing the button on the M(aster) helmet for around 4 seconds until you hear the message 'CONNECT INTERCOM', as long as you are near the paired helmet (maximum distance: 10 metres). The connection between the two helmets will be notified with a beep in both helmets.

9.3.3 Deactivating the intercom

To end the intercom connection, you will need to press the button for around 4 seconds until you hear the message 'DISCONNECT INTERCOM'. This can be done from both the M(aster) helmet and the S(lave) helmet.

9.3.4 Managing a helmet (S)-helmet (M)-telephone network

Should you wish to use the network shown in Diagram 3 (where the master helmet is connected with both a phone and the passenger's helmet by intercom), the telephone will always take precedence over the intercom connection. Therefore, should the telephone be in use (receiving or making a call or simply while pressing its keypad) this will interrupt the intercom connection. For this reason, it is advisable to lock the keypad while using the intercom if you are using a phone that does not have a cover.

NB : Automatic ICP reconnection

Every time an intercom connection is interrupted by a phone call or by pressing the keys on the telephone's keypad, the system will endeavour to re-establish the intercom connection after around 10 seconds (which usually will only succeed if the helmets are still near each other). Nevertheless, it is also possible to re-establish the intercom connection manually as described above (by pressing the button on the M(aster) helmet for around 4 seconds until you hear the message 'CONNECT INTERCOM').

10. MAINTENANCE (!!! IMPORTANT: always make sure you read chapter 3 – Safety information and warnings)

1

In case of anomalies or malfunctioning, always talk to your AGVoice retailer. Technical assistance on this product can only be carried out by qualified personnel.

Only use the batteries and battery charger recommended by AGV for this device; ask your retailer what is available.

When unplugging the system, grab and pull the plug, not the cable.