

INSTALLATION AND USE MANUAL

DG-20 AB08XX



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1 IMPORTANT AND SAFETY INFORMATION

1.1 Premise

This manual is intended for the installer, maintenance technician and user of the equipment and is an integral part of the product, keep it carefully.

The indications, instructions and warnings contained herein are necessary for the correct and safe use of the equipment, must be followed scrupulously and read before proceeding with any work on the equipment: installation, operation, maintenance.

The contents of this manual are the exclusive property of the manufacturer, it is forbidden to copy it by any means, use it for purposes other than those for which it was conceived, unauthorized disclosure.

1.2 SAFETY WARNINGS

Danger!

Failure to observe the following precautions can lead to serious hazardous situations:

- Do not immerse the device in water (or any other liquid).
- Do not use or hold the device near heat sources.
- Do not reverse the positive (+) and negative (-) terminals.
- Do not heat or burn the device. Do not leave the device exposed to sunlight or near heat sources.
- Do not short-circuit the terminals.
- Do not disassemble or modify the device in any way.

- Do not bend, throw, or subject the device to strong blows. If the device suffers strong blows, do not use it and replace it.
- Do not use the device if it is visibly damaged.

Attention!

Always follow these steps:

- The device must be switched off or electrically disconnected during maintenance.
- Recommended environmental conditions:
 - When using the device: in a range of +10°C to +60°C
 - o For periods of non-use longer than 30 days: between +10°C and +30°C
- If the device is not used for long periods (more than 30 days), do not leave it in a humid environment and comply with all the conditions stated above.

Warning: The manufacturer, distributor and retailer are not responsible for any damage, property or persons resulting from improper use of the product.

1.3 Instructions for Use

Audio levels have been optimized with helmets, headphones and earplugs provided by Stilo, and the volume at first use is normally adequate to half the available scale.

In all cases, it is important to check the following:

- Soundproofing headphones positioned correctly and with adequate pressure.
- earplugs that are properly worn and with adequate isolation from external noise.
- Correct positioning of the microphone which must be as close as possible to the mouth.

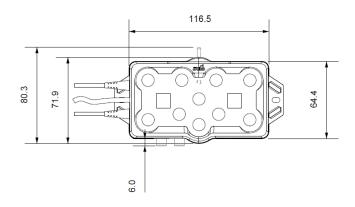
NOTE: Refer to the instructions attached to the helmets for tuning or the microphone instructions enclosed in Stilo products.

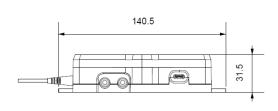
The use of different helmets, microphones, earplugs or speakers could reduce the performance of the system as a whole, a situation in which Stilo cannot guarantee maximum performance.

Check with your authorized Stilo dealer for adapter wiring for use with audio setups from other manufacturers.

2 TECHNICAL SPECIFICATIONS

- Mechanical characteristics
 - o Intercom Body Dimensions (mm):





- Power cable length: ~22cm
- Helmet Cable Specifications: Spiral ~220cm
- Electrical Characteristics
 - Supply voltage: 12V~24V DCMaximum Current: 800mA
- Radio communication features
 - o Potenza RF max: 8db(9mW)
 - o Full-duplex UHF RW ISM Band (2.402GHz~2.484GHz) between phones and devices Stylus

3 INSTALLATION AND MAINTENANCE

The device can be installed through the use of cable ties in the provided flaps or alternatively it can be installed through the use of adhesive dual lock velcro positioned on the back of the plastic container.

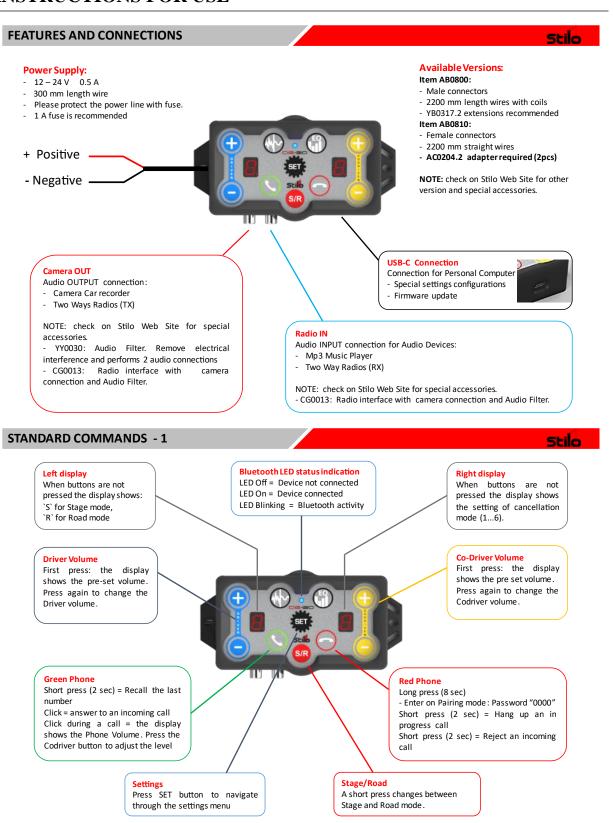
Wire the power cord with a connector of your choice. Red(+) positive, Black(-) negative.

DC Power Supply: 12V~24V 1A

To service the device, disconnect from the power supply and wipe with a dry cloth.

For any other eventuality, contact customer service or your dealer.

4 Instructions for use



Stilo

Digital active noise cancellation mode

Press the first time: the left displayshows 'd', and the right displayshows the pre-set noise cancellation mode

The following pressions changes the noise cancellationmode (1 to 6 sequentially).
Otherwise use Codriver Buttons to move one Step Up o Down 1 = Digital cancellation off

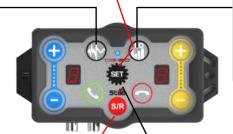
- 2 = Digital cancellation medium
- 3 = Digital cancel lation maximum
- 4 = Maximum Digital cancellation with Noise Gate on Driver microphone.

While Driver is not speaking the microphone is closed to perform extra noise cancellation

- 5 = Custom Setting through Stilo App 6 = Custom Setting through Stilo App
- The default setting in mode 5 and 6 are similarto mode 3 but with lower noise.

Long Press EQ Button (8 sec) and then clickSET Button:

Reset all the parameters at the Factory value. - The intercom Restart.



Press the first time: the left display shows 'E', and the right displayshows the pre-set Equalization

The second press changes the equalization (0...5).
0 = Basstone emphasis

- 1 = Medium & Basstone emphasis 2 = Medium & High tone emphasis
- 3 = High tone emphasis 4 = Custom tone

The default setting on Eq 4 is a Treble tone

Using the dedicatet Stilo DG-20 App is possiblea total personalized configuration.

A short press changes between Stage and Road mode.
Stage = Radio & Phone Audio OFF

Road = Radio & Phone Audio ON A Long press select Road mode type: 1 = Codriver only can ear the audio

from BT and Radio 2 = Both Driver and Codriver can ear the audio from BT and Radio

3 = Driver only can ear the audio from BT and Radio

	Stage	Road		
Intercom	Active	Active		
Videocamera OUT	Active	Active		
Radio IN	OFF	Active		
Phone IN	OFF	Active		

Note: Dot displayON = Audio ON

Set Menu (Basic)

Short press: enter into the basicmenu configuration.

The displayscrollsthe features description

- Radio IN gain (RI): Press Codriver buttons to adjust the external Audio Level (it changes Radio & Phone level)
- Camera OUT level (CO): Press Codriver buttons to adjust the Camera Out Level
- Feedback Level (FG):
 - o Press Codriver buttons to adjust the Codriver Feedback Voice
 - Press Driver buttons to adjust the Driver Feedback Voice

Note: the displayshow the features menu for 30 sec. Clickon Red Phone button if you need to exit faster.

SPECIAL COMMANDS



Set Menu (Extended commands)

Long press (8 sec): enter into the extended menu configuration. The displayscrollthe features description:

- Bluetooth OUT gain (BO):
 Press Codriver buttons to adjust the Audio Phone transmissionLevel
- Microphone Gain Level (MG):
- Press Driver or Codriver buttons to adjust the respective Mic Gain Level Analog Noise Gate (NA):
- Press *Driver* buttons to turn On or Off the Noise Gate on Driver Mic. 0 = Off = Standard Microphone operation. 1 = On = Microphone works just talking
- Mix Gain Level (MI): Press Driver buttons to adjust the level voice that arrive from Codriver
- Press Codriver buttons to adjust the level voice that arrive from Driver - Denoise Level (DL):
- Press Driver buttons to adjustthe Noise Cancellationlevel on Driver Mic Press Codriver buttons to adjustthe Noise Cancellationlevel on Codriver Mic
- Lower value = Lower Noise Volume Boost (VB);
- Press Codriver buttons to select the boost value:
- **0** = Standard Volume, **1** = + 2dB, **2** = + 4dB, **3** = + 6dB Boost - Microphone Electret (ME):
- Press *Driver or Codriver* buttons to set the respective Microphone Type . 0 = Dynamic Mic (Standard) 1 = Electret Mic
- Brightness Display (BD):

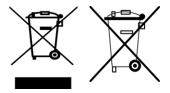
 Press Codriver buttons to adjust the Displaylight intensity
- Brightness Blue Led (BL):
- Press Codriver buttons to adjust the Blue Led intensity
- Brightness Background (BB):
- Press Codriver buttons to adjust the Background light intensity



5 PRODUCT COMPLIANCE AND RECYCLING

Disposal of used electrical and electronic equipment

The meaning of the symbol on the product, its accessory, or packaging indicates that this product should not be treated as household waste. Dispose of this product at the appropriate collection point for the recycling of waste electronic equipment. Alternatively, in some European Union or other European countries, you can return your products to your local retailer when you purchase a new equivalent product. Proper disposal of this product will help save valuable natural resources and help prevent the potential negative impact on the environment and human health, which could be caused by improper waste handling. Please ask your local authorities or your nearest waste collection centre for further details. Improper disposal of this type of waste may be subject to national regulations for penalties.



EU Declaration of Conformity

Hereby, STILO S.R.L. declares that this device is in compliance with the essential requirements and other applicable provisions of Directive 2014/53/EU.

This device can be used in all member states of the European Union.

Comply with national and local laws when using the device.

The full text of the EU Declaration of Conformity is available at: www.stilo.it/DG20/dic_doc.pdf

Requirements for Radio Frequency Exposure:

Important safety information regarding exposure to radio frequency (RF) radiation:

National and international recommendations for human exposure to RF require that the device be used only as described above. Failure to follow this guideline may result in radiofrequency exposure exceeding the maximum allowable limits.

Power and frequency bands:

- a) Frequency bands in which Stilo devices operate: 2.402 ~ 2484 MHz
- b) The maximum radio frequency power transmitted in the frequency bands in which the device operates is less than 10 dBm (10 mW) in compliance with the limits of the reference harmonized standard.

Reduction of hazardous substances:

This device and any electrical accessories comply with applicable local regulations on the restriction of the use of certain hazardous substances in electrical and electronic equipment, including Regulations 1907/2006 (REACH) and EU Directive 2011/65/EU (RoHS) and 2006/66/EC relating to batteries (when included).

The Device complies with 47 CFR Part 15 of the FCC Rules

AB08XX: FCC ID: A8TBM62S2

Use is subject to the following two conditions:

1. This device may not cause harmful interference.2. This device may experience interference causing undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to paragraph 15 of the FCC Rules. These limitations are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate energy in the form of radio frequencies, 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 product does cause interference to radio or television reception, which can be determined by turning the equipment off and on, try to correct the interference by one of the following measures:

- Relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment on a circuit different from that to which the receiver is connected.
- Contact your dealer or an experienced technician for assistance.

6 WARRANTY

This Stilo product is warranted against defects in workmanship and defects in materials, for a period of twelve (12) months from the date of purchase. In the event of repair, the product must be returned to the retailer where the purchase was made, or shipped directly to the Stilo headquarters.

Shipping costs are excluded from the warranty.

WARRANTY CONDITIONS:

The warranty is recognized only if the purchase is proven by the purchase invoice or tax receipt or other document made fiscally mandatory. Warranty means the replacement or repair, at no cost, of the parts that make up the product, recognized as defective at the origin, due to manufacturing defects.

Not all parts that may be defective due to negligence or negligence in use, transport damage, or circumstances that, in any case, cannot be traced back to manufacturing defects of the Stilo product, are not covered. The warranty is also excluded in the event of improper use of the product. After one year, the product is no longer covered by the warranty and all repair costs, including shipping to our premises, are the responsibility of the customer. In any case, replacement and/or repair or extension of the warranty following a fault is excluded.