

ZENEC E>GO



Fine tuning of the Parrot BT hands free system:

The BT audio settings and the post processing of the audio stream on your E>GO unit has been perfectly tailored by Parrot experts, to guarantee the highest possible voice call quality. For the major part of cases, the predefined internal BT audio settings of the Parrot software will yield excellent results.

But depending on the location where the microphone has been mounted, or also due to differences of the cell phone in use, fine tuning of several settings can be attempted by accessing a hidden menu, to change core BT parameters. Such a hidden menu has been implemented and is present on all E>GO units that deploy the main software release of November 2009 and later versions.

This new menu allows you to adjust all software core parameters of the Parrot BT software for a better match to existing in-car conditions, sometimes vastly improving voice intelligibility.

Please make sure that your ZENEC E>GO device is up to date with the latest main software.

Please look up and compare the software versions installed on your E>GO device – detailed info can be found on the respective product site under “support” as follows:

<http://www.zenec.com/index.php?id=381&L=1>

Important information + prerequisites:

- Do only adjust values that are marked for adjustment, i.e. DO NOT alter values where adjustment is not suggested.
- Start with adjusting one parameter and validate the results gained, before you proceed changing another parameter.
- All adjustments listed overleaf can be done while a phone call is active to hear and judge results immediately, except the parameter „Algorithm“.
- Internal and external microphone settings are to be set totally independent from each other and shall thus be adjusted accordingly.
- All adjustments do affect each other. To find the best settings, different values must be entered and tested for results.
- In most cases it is enough to adjust the following two parameters: „Microphone-Gain“ and „EchoCancel“

How to access the hidden Parrot BT menu:

1. Pair and connect a cell phone with your ZENEC E>GO device.
2. Wait until synchronization of the phone book has completed.
3. Tap the icon “Phone” on your touch screen. The key pad to enter alphanumeric values should be available.
4. Type in #2009#
5. The menu with parameters for fine tuning comes up. Adjust parameters following the suggestions overleaf.
6. To exit the Parrot BT hidden menu after adjustments are completed, touch the „back arrow“ icon on the right side.

Fine tuning parameters:

Option	Default settings		Range
	internal	external	
Microphone Gain	10	8	7 - 14

Fine tuning of microphone gain. See also "ADC Configuration"

Option	Default settings		Range
	internal	external	
Communication	11	11	none

Do **not** adjust this parameter.

Option	Default settings		Range
	internal	external	
CallRing	15	15	none

Do **not** adjust this parameter.

Option	Default settings		Range
	internal	external	
Beep	15	15	none

Do **not** adjust this parameter.

Option	Default settings		Range
	internal	external	
Audio	54	54	none

Do **not** adjust this parameter.

Option	Default settings		Range
	internal	external	
MIC_Reduction	11	14	8-19

Parameter to adjust the noise reduction. See also „Algorithm“

Option	Default settings		Range
	internal	external	
EchoCancel	11	11	8-18

Parameter to adjust the internal setting of the acoustic echo cancellation. See also „ReductSpeaker“

Option	Default settings		Range
	internal	external	
ReductSpeaker	14	14	8-18

Parameter sets the level of the noise reduction. See also „EchoCancel“

Option	Default settings		Range
	internal	external	
Direction	0	0	none

Do not adjust this parameter.

Option	Default settings		Range
	internal	external	
Input Gain	5	0	none

Do not adjust this parameter.

Option	Default settings		Range
	internal	external	
Algorithm	5	5	6-7

Parameter to select the used algorithm.

Do not adjust this while a call is active.

Option	Default settings		Range
	internal	external	
Comfort	1	1	none

Do not adjust this parameter.

Option	Default settings		Range
	internal	external	
ADC Configuration	30	30	15, 30

Parameter to set the main gain sensitivity of the microphone.

The value of 15 equates to 0dB, value of 30 equates to +6dB

See also „Microphone_Gain“