3G listening unit : User Manual

1st Start up

- Insert the Nano-Simcard and wait for about 10 seconds for the device to bootup
- Call the unit, and the unit will pick up the call
- Wait for unit to send replies, sometimes it can take a short amount of time.

Commands: ☼ - variable

Voice detection	VOX☼	0 - OFF 1- ON	(send SMS VOX1 or VOX0) to activate or deactivate.
Voice during phone call (Gain)			Simply, for increasing the signal from the microphone, you use following commands, pressing on the keypad: #01, #02, to #09 … wait in between the pressing of DTMF tone.
Sensitivity for VOX detection	SENS☼-☼☼☼	0 -OFF 1-199 – The lowest sensitivity	The higher the number the more noise is needed to activate. We recommend about 30 for human voice.
VOX sensitivity hangs up the phone.	VOXSENS☼☼☼☼	0 -OFF 1-199 – The lowest sensitivity	The higher the number, the more noise is needed for the microphone to hang up. The interval is 2 minutes. For example, if there would be a low frequency noise which is constant, with correct settings the unit would deactivate it.
Battery status	BAT		Returns percentage of battery
Ultra-Sleep Mode (for most battery life)	SLP☼-☼☼	0 - OFF 1-24 – (turned on in an interval of 24 hours)	You need to activate VOX before, if you don't, the unit will not wake up, even when there is a noise. Else the unit is in Ultra Sleep Mode, when it will wake up in set intervals. For example, SLP3 means that every 3 hours the unit will wake up. If you wish to turn this function off, you have to send SLP0 to the unit.
Factory settings	RESET		Factory settings = SLP0, VOX0, VOXSENS0, SENS50

Status of device	STATUS		
Password settings	PASSWORD☼☼☼	000 – Turn off 001 - 999 – set number possibility	If you decide to activate password you will have to use it for further communication with the device. For example, if you set PASSWOD777 and you will want to change the sensitivity you will need to do so like this 777SENS50
Setting a master number	SETCALLNUM+420777123456 OR SETCALLNUM777123456		Its advised to use the international format for setting the number for the 3G unit.
Deleting a master number	DELCALLNUM		Do not forget, if you would have a password on the unit, for the erasure you will have to put in the password first Example: 123DELCALLNUM
Activate Phone call when password is on.			If the PASSWOD is on and you will dial the device, you have to punch in the combination 777 to activate the microphone.
Turn OFF led diode	LED☼	0 – OFF 1 - ON	

Status example for FW1.1.2

STATUS:

FW1.1.2,SLP0,VOX0,VOXSENS43,SENS50,SMS1,18/04/17,17:11:57+08,1,BAT=71%,PASSWORD OFF,CALLNUM:+420777123456,WCDMA2100,RSSI=-99 dBm

Explanation of the status:

18/04/17,17:11:57+08,1: Latest network time synchronization, UTC time.

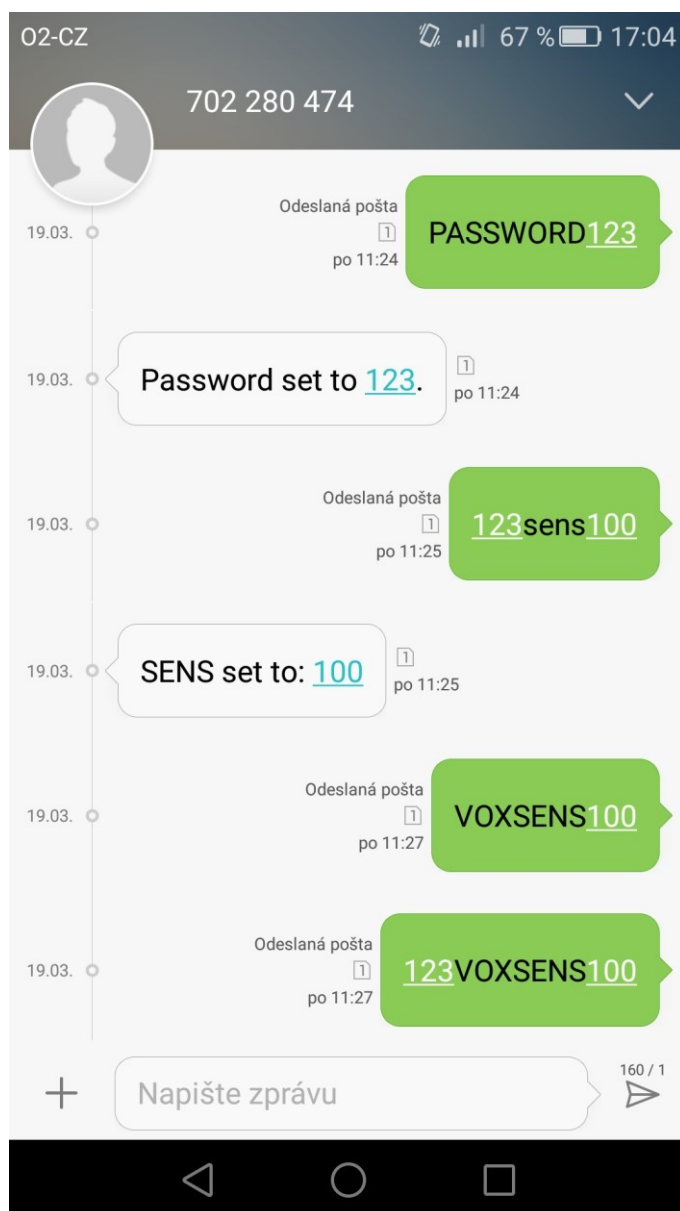YY/MM/DD,hh:mm:ss+zz,x or YY/MM/DD,hh:mm:ss-zz,x

date 2018/04/17

UTC time: 17:11:57

zz: difference in UTC and local time, expressed in 15 minutes.

Ie. +08 means UTC+2

ds: daylight saving time

SMS Format:

Parameters:

Frequency Bands

UC15-E
>900/2100MHz@UMTS
>900/1800MHz@GSM

UC15-A
>850/1900MHz@UMTS
>850/900/1800/1900MHz@GSM

UC15-T
>850/2100MHz@UMTS
>850/900/1800/1900MHz@GSM

HSDPA	Release 5 (category 6)
EDGE	Downlink only
GPRS	Multi-slot Class 12
UMTS Release	99/5 GSM Release 99/4
Supply Voltage	Range 3.3V ~ 4.3V, 3.8V typ.
Operation Temperature	-40 °C ~ +85 °C
Weight Approx.	4.3g
Control via AT commands	3GPP TS27.007, 27.005 and other enhanced AT
SIM card format	Nano
Antenna	On board GSM/UMTS antenna
Microphone:	Knowles
Selectable audio sensitivity:	Yes
Noise rejection filters:	2 filters
Frequency range:	300 Hz to 5 kHz