1st Start up

1. Insert the nano-simcard, connect the battery and wait for 1 minute for the device to bootup.
2. Call the unit and let is pick up your number.
3. When sending commands to the unit, always wait for about 10 – 20 seconds before the unit will send you the command. It's important to have the SMS activated with "SMS1"

Commands: ○ - variable

Name	Command	Command values	Description
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 - highest 199- lowest	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 - highest 199- lowest	This command will hang up an already dialed phone call, if the noise does not go over a set threshold. The interval is 2 minutes. This function is useful especially when you have a recording station, and you are not listening to the unit directly. It will save you hours of silent recording.
Battery status	BAT		Returns percentage of battery
Ultra-Sleep Mode (for most battery life)	SLP	0- OFF 1 - 1 hour sleep mode 24 - 24 hours sleep mode	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		The device will send you a status report, about all the commands, battery and signal strength.
Password settings	PASSWORD ○ ○ ○	000 - No password 001 to 999 - possible number combination for passwords ex: 777 - Password is set to 777 Choose your password, it always has to be 3 digits	If you decide to activate password you will have to use it for further communication with the device. For example, if you set PASSWORD777 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		This command will erase a master phone number.
Activate Phone call when password is on.			If the PASSWORD 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	

Using a PASSWORD command

When using the password to communicate with the device, you will have to always **insert it before every command**.
For the example below we have chosen a password "777"

SMS1: "PASSWORD777"

DEVICE: Your password is set to 777

SMS2: "777VOX1" - The voice detection was set to Activated, using password command.

> **Tip:** If you have activated the password command, and you will dial the 3G Unit to listen to surrounding sounds, you will not hear anything, until you press 777 a password to activate the sound.

Explanation of status

FW1.1.2,SLP0,VOX1,VOXSENS43,SENS50,SMS1,18/04/17,17:11:57+08,1,BAT=71%,PASSWORD OFF,CALLNUM:+420777123456,WCDMA2100,RSSI=-99 dBm

FW1.1.2	Firmware 1.1.2
SLP0	Sleep mode is deactivated
VOX1	Voice activation mode is activated
VOXSENS43	Voice sensitivity for hanging up the phone is set to 43, the noise will have to be louder than 43 for the unit not to hang up.
SENS50	Voice detection sensitivity is set to 50
SMS1	SMS confirmation commands are turned on
18/04/17,17:11:57+08	Time and date
BAT=71%	Battery has 71%
PASSWORD OFF	The password is turned off
CALLNUM:+420777123456	The master number is set to +420 777123456
WCDMA2100	UMTS frequency band selected
RSSI=-39 dBm	Received Signal Strength Indicator in absolute terms, closer to 0 dBm gives a better value.

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
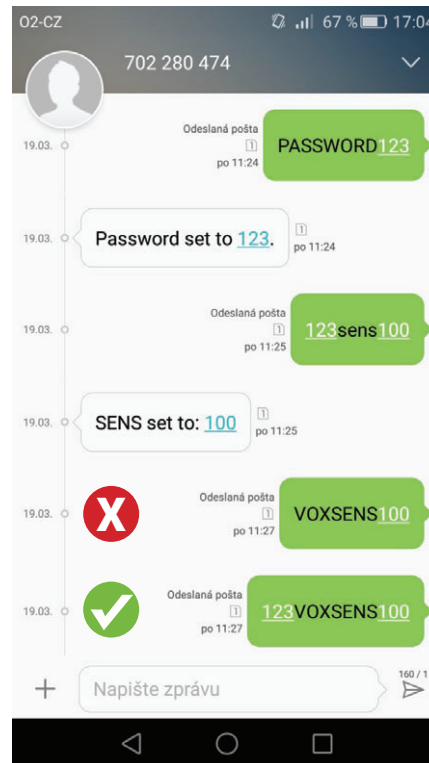date 2018/04/17
UTC time: 17:11:57
zz: difference in UTC and local time, expressed in 15 minutes.
Ie. +08 means UTC+2
ds: daylight saving time

SMS Format:

Password is set to 123

Password is used to communicate with a device

Incorrect usage of the command, becouse there is NO password, the unit will not do anything

Correct usage of the command, password 123 was used

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.	25 g
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