Quick Guide Configuration iQloud 4G NTRIP Router (preliminary)

- Install iQloud Configuration software
- Install SIM card (auto-detect provider settings, attention: orientation!)
- Connect USB-Serial adapter to PC (not supplied)
- Connect adapter via null-modem cable to iQloud router
- Connect 4G antenna to iQloud Router (SMA connector)
- Connect power supply cable to "PWR" +/- terminals
- Power up the iQloud Router
- Start iQloud Configuration software

Following screen will show up >>

iQloud configuration pro	gram					
File Options View	Help					
Serial port COM1	 Communicatio 	n settings 🐐	Load configuration 📫			
State						
Local IP address (GSM):		Signal level:	Operator:			
Local IP address (Ethernet):		Firmware versio	on: SIM number:			
Serial number:		Device type:				
GSM module specification :						
Parameters						
General Ethernet (ETH) R	S-232 NTRIP					
Mode:	Tcp client	•				
GPRS APN:						
GPRS user:						
GPRS password:						
Server address:			Invalid address.			
Server port:	1560	×.				
PIN:						
Password:			Invalid password length.			
Autoanswer RING count	255	×	0=off			
Enable packet encryption	ı					
Key (ASCII)						
Key (Hexa)						
				Sav	e	Save and restart
Serial COM1: 115200 Bd/s	- Disconnected					.:

Press "load configuration" (default serial speed is 115 Kb/s Configuration parameters are imported in Configuration Program >>

M iQloud configuration pre	ogram					_ 🗆 🗾
File Options View	Help					
Serial port COM1	- Communication	n settings 🐐 🛛	Load configuration 📫			
State						
Local IP address (GSM):	10.101.33.131	Signal level:	-77dBm (STRONG)	Operator:	Tele2 NL	
Local IP address (Ethernet):	192.168.1.1	- Firmware version:	108.14.0.14.4	SIM number:	8931422651111474939	1
Serial number:	50-1509-0009	Device type:	iQloud			
GSM module specification :						
LE910-EU1 Telit 20.00.412						
Parameters						
General Ethernet RS-232	2 NTRIP					
Mode:	Standalone	•				
GPRS APN:						
GPRS user:						
GPRS password:						
Server address:	0.0.0.0					
Server port:	1561					
PIN:						
Password:	12345					
Autoanswer RING count	0	÷ 0)=off			
Enable packet encryptic	on					
Key (ASCII)						
Key (Hexa)	000000000000000000000000000000000000000	000000000000000000000000000000000000000				
				_		
					Save	Save and restart
Serial COM1 : 115200 Bd/s	s - Disconnected					
Contra Comit i 15200 Buys	- Disconnected j					

- Upper part of screen shows device and status info
- If applicable enter PIN of the SIM card
- Enter password "12345" and press "save"
- Press tab "Ethernet" >>

M iQloud configuration pr	ogram					- • ×
File Options View	Help					
Serial port COM1	 Communicatio 	n settings 🐐 L	.oad configuration 📥			
State						
Local IP address (GSM):	10.101.33.131	Signal level:	-77dBm (STRONG)	Operator:	Tele2 NL	
Local IP address (Ethernet):	192.168.1.1	Firmware version:	108.14.0.14.4	SIM number:	8931422651111474939	
Serial number:	50-1509-0009	Device type:	iQloud			
GSM module specification :						
LE910-EU1 Telit 20.00.412						
Parameters						
General Ethernet RS-23	2 NTRIP					
Primary channel						
© GSM						
Ethernet						
LED signalization						
I I I I I I I I I I I I I I I I I I I						
Ethernet						
- IP address						
Obtain an IP address a	automatically					
Use the following IP ac	ddress:					
IP address:	192.168.1.1					
Subnet mask:	255.255.255.0					
Default gateway:	0.0.0.0					
Domain name system						
Preferred DNS server:	8.8.8.8					
Alternate DNS server:	8.8.4.4					
				[Save	Save and restart
Seriel COM1 - 115200 D-11	Disconnected					
Serial COM1 : 115200 Bd/:	s - Disconnected					.::

- Enter info as marked (other static IP-address free to choose)
- Press "Save" >>

N iQloud configuration pr	ogram					
File Options View	Help					
Serial port COM1	 Communication 	n settings 🐐 L	oad configuration 🔷			
State						
Local IP address (GSM):	10.101.33.131	Signal level:	-77dBm (STRONG)	Operator:	Tele2 NL	
Local IP address (Ethernet):	192.168.1.1	Firmware version:	108.14.0.14.4	SIM number:	8931422651111474939	
Serial number:	50-1509-0009	Device type:	iQloud			
GSM module specification :						
LE910-EU1 Telit						
20.00.412						
Parameters						
General Ethernet RS-23	2 NTRIP					
Speed [bd/s]: 115200	•					
Data bits: 8	•					
Stop bits: 1						
Parity: None	-					
Flow control: None	•					
🔲 Require password						
🔲 AT mode after startup						
					Save	Save and restart
Serial COM1: 115200 Bd/:	s - Disconnected					

- Enter serial parameters of serial NMEA output of GNSS receiver
- Press "Save" >>

("communication settings" of Configuration Program will be updated automatically)

iQloud config	uration pr	ogram						_
File Options	View	Help						
Serial port CON	/11		ommunicatio	n settings 🐐 l	.oad configuration 📫			
State								
Local IP address (GSM):	10.101.33	3.131	Signal level:	-77dBm (STRONG)	Operator:	Tele2 NL	
Local IP address (Ethernet):	192.168.1	1.1	Firmware version:	108.14.0.14.4	SIM number:	89314226511114749	39
Serial number:		50-1509-0	0009	Device type:	iQloud			
GSM module spec	ification :							
LE910-EU1 Telit 20.00.412								
Parameters —								
General Ethern		2 NTRIP						
NTRIP Enabled								
Hostname	ntrip.06-g		A					
Hostname Port	2101		* *					
User	NoName							
Password	1234							
	et list of mo	ountpoints						
Mount point	06GPSV	RSGL030		•				
						r		
						l	Save	Save and restart
Serial COM1: 1	15200 Bd/	s - Disconne	cted					
		Disconing						

- Enter NTRIP parameters and credentials (Hostname can be URL of IP-address)
- Press "Save"
- Press "Get list of mountpoints" and select mountpoint in drop-down menu
- Press "Save" again (mountpoint is stored and activated)

- Configuration procedure completed!
- NTRIP corrections should be received now
- Rx/Tx LED's of serial-USB should show activity now
- Internet connectivity for device with static address in range of iQloud IP-address (ethernet cable connected between iQloud and PC)
 Remark: during "heavy traffic" correction age can increase a few seconds

Furthermore:

- Configuration program can communicate to iQloud with Telnet
- Change "Communication settings" as follows >>

M iQloud configuration program			-			_ • ×
File Options View Help						
IP address 192.168.1.1 Comm	iunication settings 🐐 L	.oad config	guration 📫			
State						
Local IP address (GSM): 10.117.117.1	35 Signal level:	-79dBm	(STRONG)	Operator:	Tele2 NL	
Local IP address (Ethernet): 192.168.1.1	Firmware version:	108.14.0	.14.4	SIM number:	893142265111147	4939
Serial number: 50-1509-0009	Device type:	iQloud	Communi	cation setting	c	x
GSM module specification :			Comman	cation secting	2	
LE910-EU1 Telit			Commur	nication settings	:	
20.00.412			Teln	et		
Parameters		-	IP ad	dress : 192.168	3.1.1	
General Ethernet RS-232 NTRIP			Port :	10000		
Primary channel		-	○ Seria	al port		
GSM			Ŭ	ai port	0014	
C Ethernet		_	Port		COM1	
LED signalization		-	Spee	d [bd/s]:	115200	
◎ GSM			Data	bits:	8	-
C Ethernet		-	Stop	bits:	1	-
IP address Obtain an IP address automatically		_	Parity		None	
 Use the following IP address: 			Flow	control:	None	
IP address: 192.168.1.1			Time	out [ms]:	3000	
Subnet mask: 255.255.255	50		Timec	uu (ms).	3000	
Default gateway: 0.0.0.0			Passwo	rd settings —		
		-	Pass	sword		
Domain name system Preferred DNS server: 8.8.8.8			1 0.55			
Alternate DNS server: 8.8.4.4		_			ОК	Cancel
				[Save	Save and restart
Telnet 192.168.1.1:10000 - Disconnected						.: