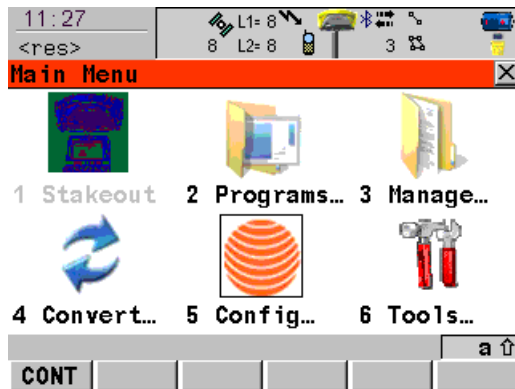


## GeoMax ZGP800 – RTK Network Configuration

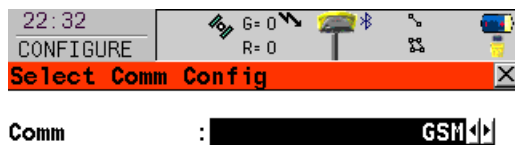
**NOTE:** A license key is required to allow the ZGP800 user RTK network operation.

### Startup

Before configuration of GSM set the radio port to serial (not Bluetooth)



From "Main Menu" open "Configuration" (5)

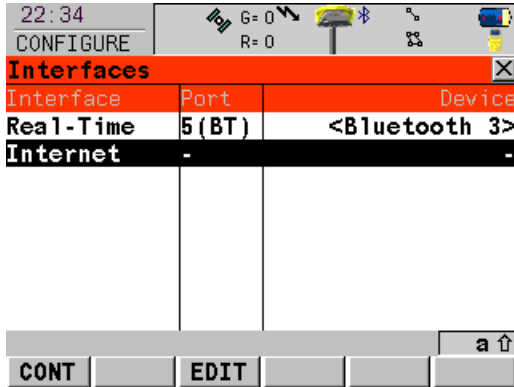


Select "GSM"  
Select "Cont"

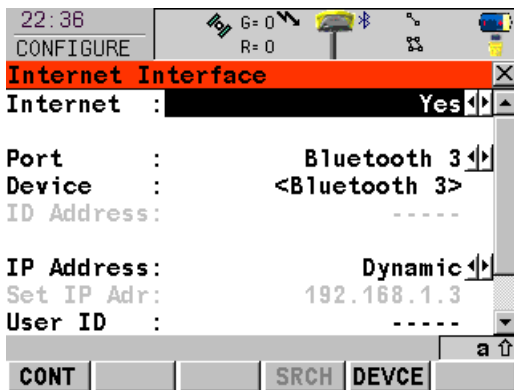


**Mobile Phone Connection**

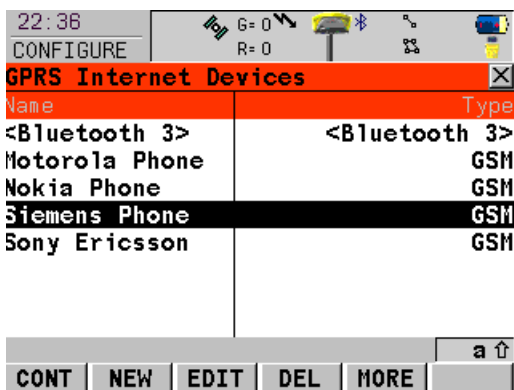
Setting up the mobile phone connection



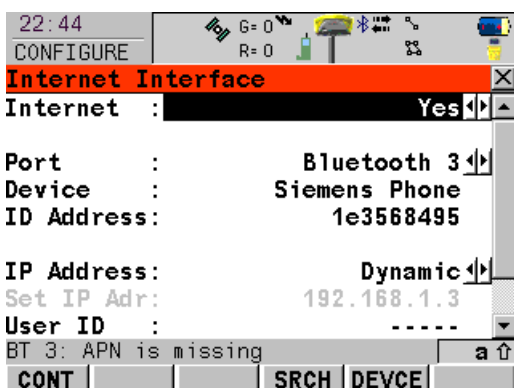
Select "Internet"  
Select "Edit" (F3)



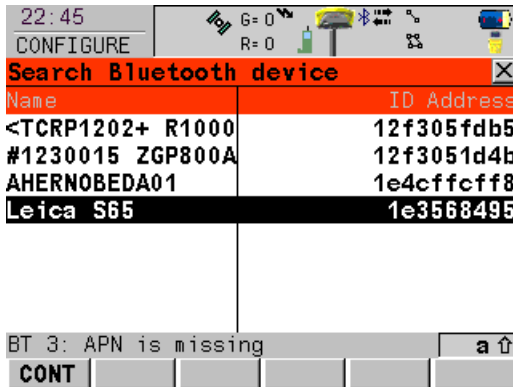
Internet : Yes  
Select "Device" (F5)



Select your phone  
"Edit" allows you to view the settings and AT Commands  
These settings should not need to be changed  
Select "Cont" (F1) once you have selected your phone



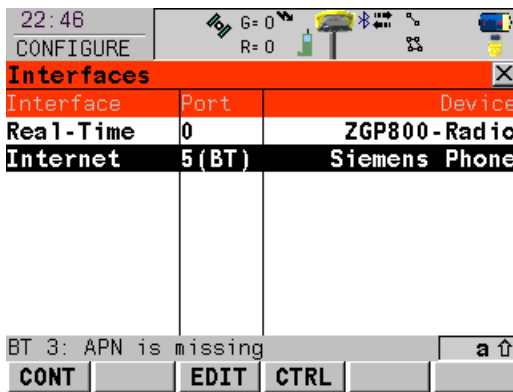
Select "Search" (F4)  
Note that the phone must be configured to Bluetooth mode. Some phones (e.g. Motorola E1000) require "Find me" to be activated.



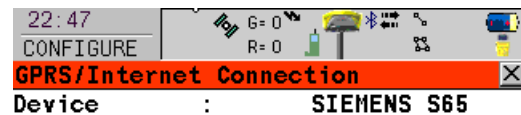
Select the correct Bluetooth correction  
 When Bluetooth codes are requested input "0000" in both the controller and the phone.  
 Select "Cont" (F1)

## Internet Connection

Setting up the mobile phone to connect to the internet

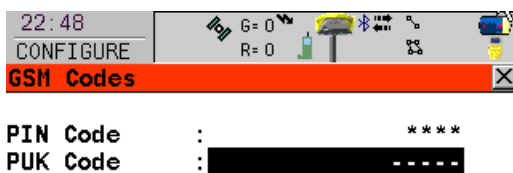


Select "Control" (F4)

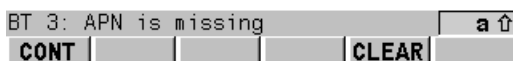


Input APN: (e.g. gprs.swisscom.ch)  
 Select "Codes" (F3)

APN : gprs.swisscom.ch  
 (cont) : -----

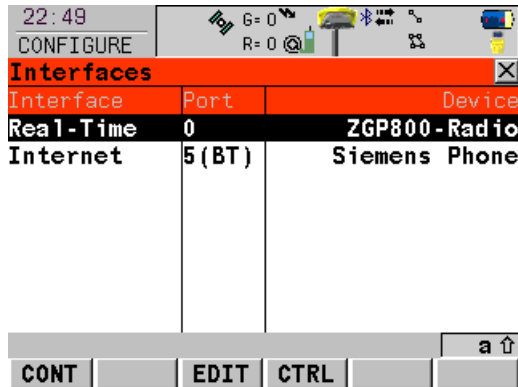


Input PIN number for the mobile phones SIM card  
 Select "Cont"  
 Select "Cont"  
 After a little wait the "@" symbol should now appear in the communications icon.

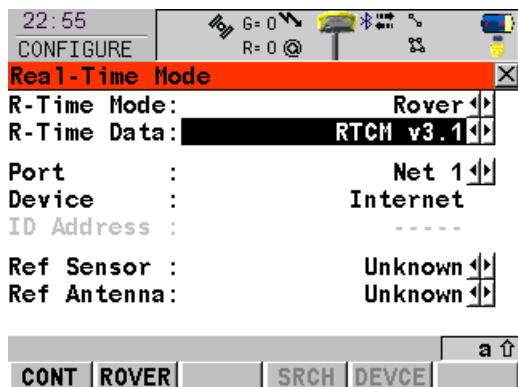


## Real-Time Internet Port

Setting the real-time port to the internet



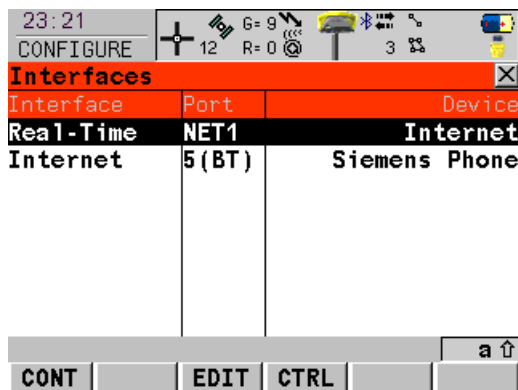
Select "Real-Time"  
Select "Edit"



Select the required format of real-time data. E.g. R-Time Data: RTCM v3.1  
Select the required network port. E.g. Port: Net 1  
Select "Cont" (F1)

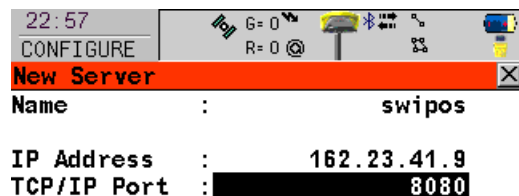
## Server configuration

Setting the network port



Select "Real-Time"  
Select "Control" (F4)

Select server – “Enter”  
 Select “New” (F2)

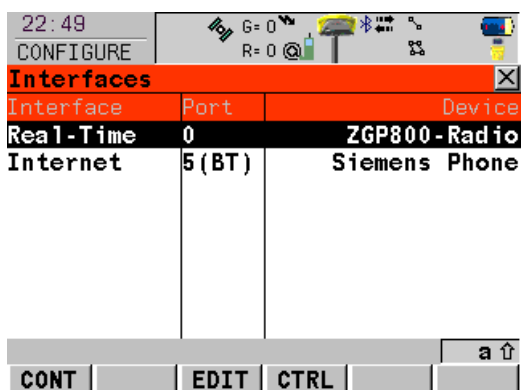


Input IP address and TCP/IP Port  
 Select “Store” (F1)

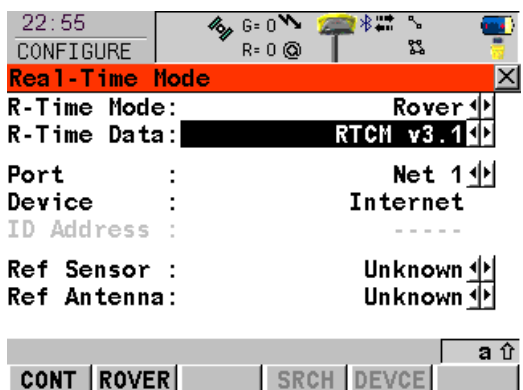


### Real-Time correction

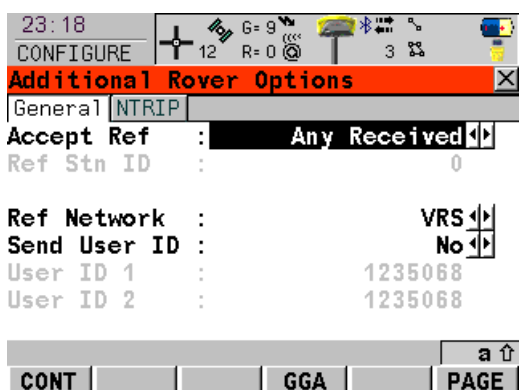
Connecting to the required NTRIP caster to get RTK reference data



Select “Real-Time”  
 Select “Edit”



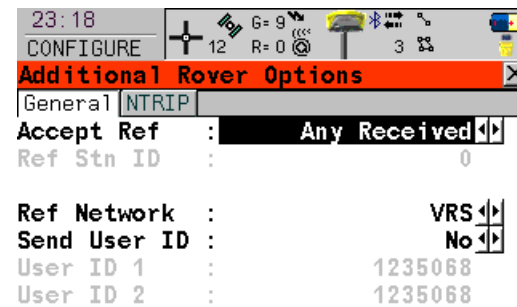
Select “Rover” (F2)



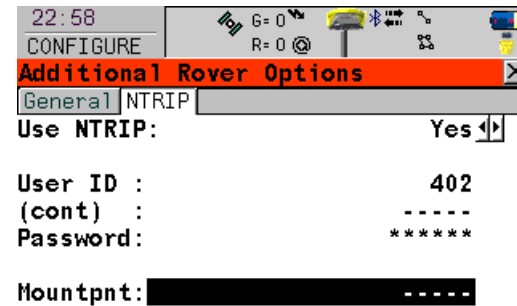
Accept Ref: Any Received  
 Select the type of reference. e.g. Ref Network: VRS  
 Select “GGA” (F4)



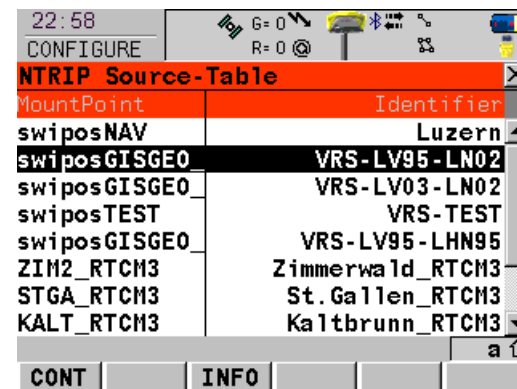
"GGA Position: Automatic"  
Select "Cont" (F1)



Select NTRIP page (F6)

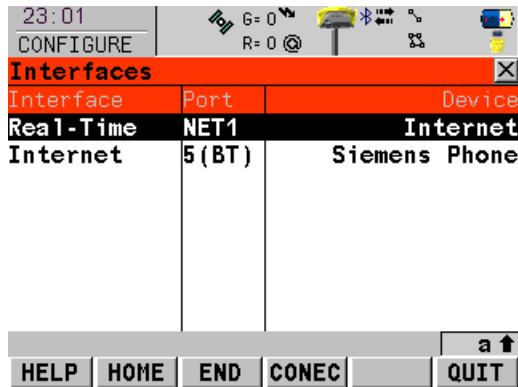


Use NTRIP: Yes  
Enter your NTRIP User ID and Password  
NTRIP User ID and password is obtained  
from NTRIP provider  
Select "Search" (F5)



Select your "Mount Point" from the avail-  
able list  
"Info" (F3) allows the user to see what  
the Mount Points configuration  
Select "Cont"  
Select "Cont"  
Select "Cont"

### Connect and Disconnect



Select "Shift Connect" (F4)

Or setup USER menu and select USER key