MicroSurvey®

Setup Guide – EMLID Reach RS

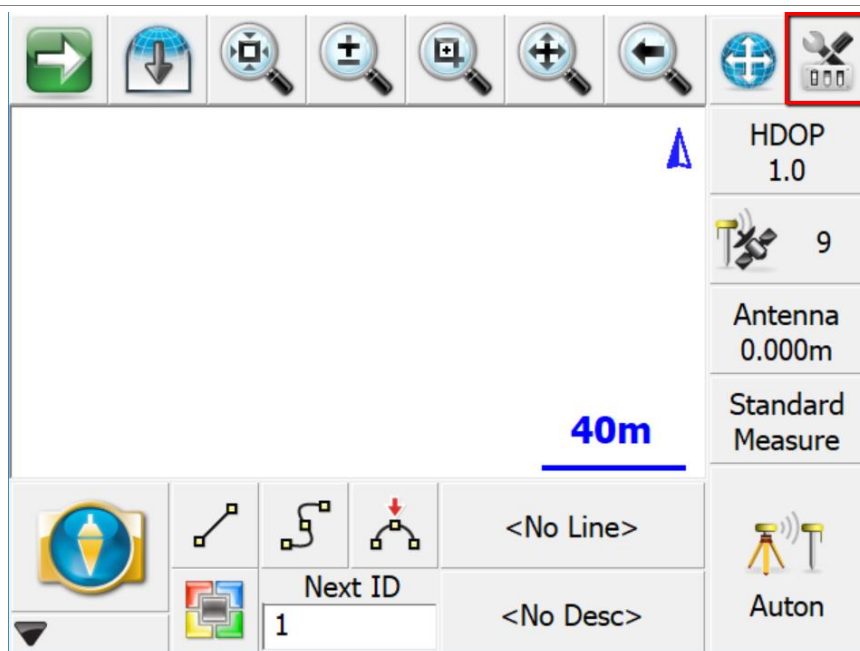PART 3 OF 3 – CONFIGURE FIELDGENIUS TO RECEIVE RTK CORRECTIONS WITH DATA COLLECTOR INTERNET

This guide demonstrates the steps required to configure MicroSurvey FieldGenius to receive RTK corrections from a NTRIP caster link.

The Data Collector is required to be connected to the internet to complete these steps.

Part 2 of the setup guide is required to be completed before using this guide.

Instrument Settings • From the Instrument toolbar pick the **Instrument Settings** icon	
Link Configure • Pick the **Link Configure** option	
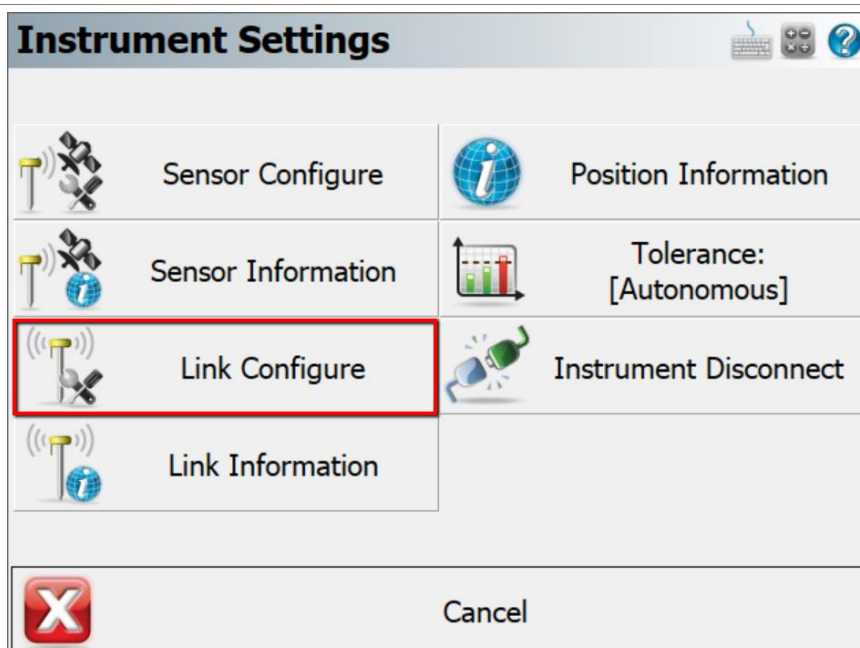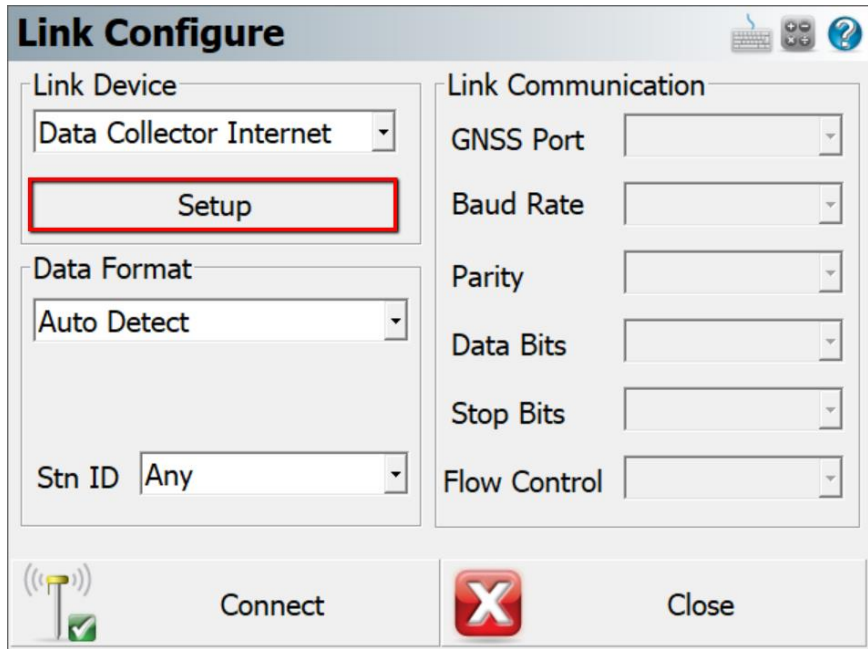
Setup Link

- On the Link Configure dialog ensure that **Data Collector Internet** is set as your Link Device
- Pick **Setup** to start the initial setup of your correction link

Link Configure

Link Device
Data Collector Internet ▾

[Setup]

Data Format
Auto Detect ▾

Stn ID Any ▾

Link Communication
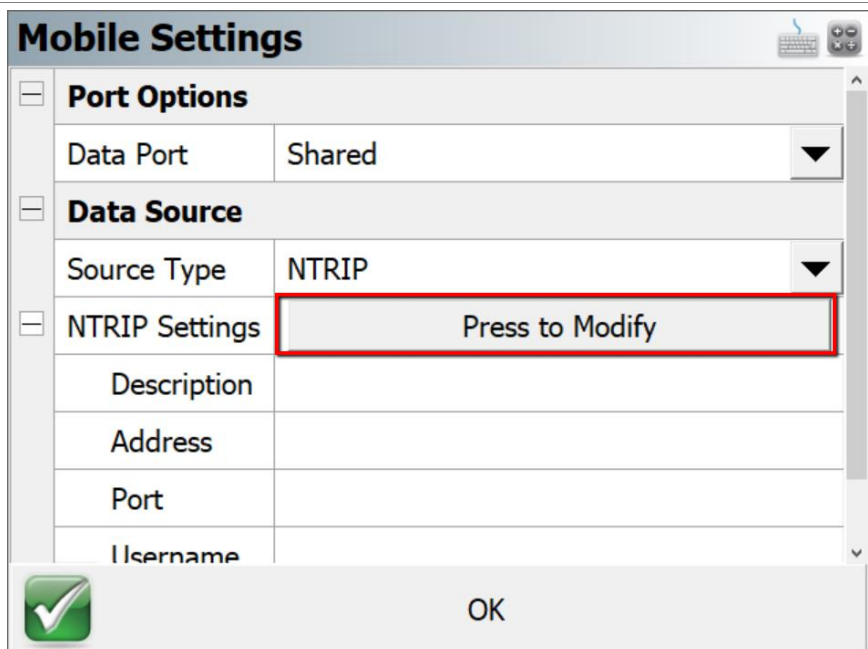
GNSS Port ▾

Baud Rate ▾

Parity ▾

Data Bits ▾

Stop Bits ▾

Flow Control ▾

Connect   ✕   Close

NTRIP Settings

- From the Mobile Settings dialog pick the **Press to Modify** option to add your Caster details

Mobile Settings

Port Options	
Data Port	Shared ▾
Data Source	
Source Type	NTRIP ▾
NTRIP Settings	Press to Modify
Description	
Address	
Port	
Username	

✓   OK

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NTRIP Settings Cont'd

- From the NTRIP Casters list screen pick the **Add** option to add a new NTRIP caster

NTRIP Casters				
Description	Address	Port	Username	Password

Select   **Add**   Edit   Delete

NTRIP Settings Cont'd

- Enter the caster details and then pick **OK** to finish creating the new caster

NTRIP Casters

Settings	
Description	mycaster
Address	111.222.33.444
Port	1001
Username	user
Password	pass

OK   Cancel

![MicroSurvey logo]

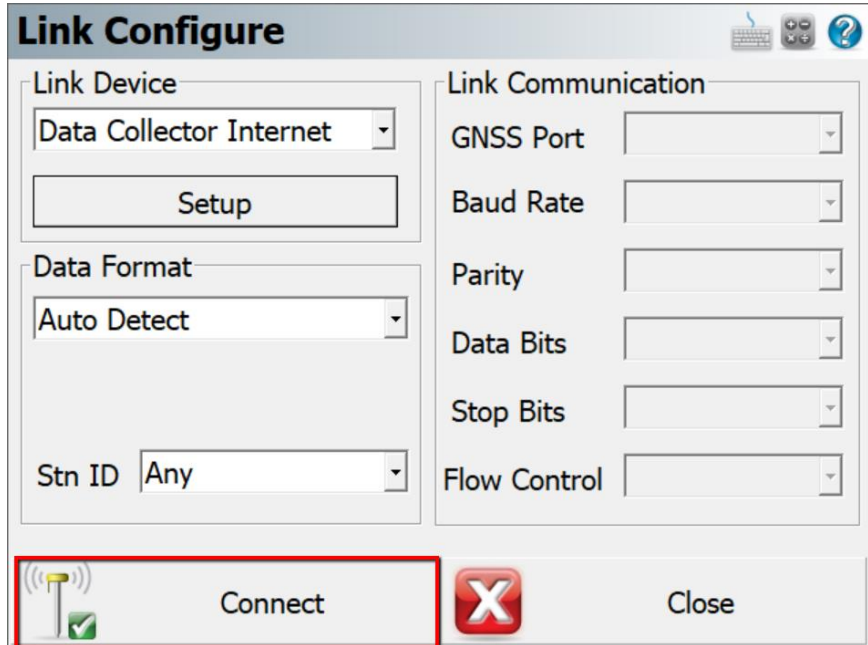|	
NTRIP Settings Cont'd • With the newly created caster selected in the list, pick the **Select** option to set the caster current	**NTRIP Casters** | Description	Address	Port	Username	Password
---	---	---	---	---
mycaster	111.222.33.444	1001	user	pass	 Select Add Edit Delete
NTRIP Settings Cont'd • Pick **OK** to finish the initial setup	**Mobile Settings** **Port Options** Data Port — Shared **Data Source** Source Type — NTRIP NTRIP Settings — Press to Modify Description — mycaster Address — 111.222.33.444 Port — 1001 Username — user OK

Connect Link

- Pick **Connect** to connect to your RTK correction

Connect Link Cont'd

- A progress bar displays the connection steps

Connect Link Cont'd • Once connected to the internet, pick the **Request Sourcetable** option to retrieve a list of Mount Points available from the caster	**NTRIP Caster Options** Request Sourcetable ❌ Cancel
Connect Link Cont'd • Pick a Mount Point that is configured to output corrections using the specified format in the ReachView app, in this case RTCM3, then pick **Select**	**NTRIP Sourcetable** <table><tr><th>Mount Point</th><th>Identifier</th><th>Format</th><th>Format Details</th></tr><tr><td>1101-RTCM3-...</td><td>1101-RTCM3-...</td><td>RTCM 3</td><td>Data(1),Coord(...</td></tr><tr><td>1101-RTCM3</td><td>1101-RTCM3</td><td>RTCM 3</td><td>Data(1),Coord(...</td></tr><tr><td>1101-CMR</td><td>1101-CMR</td><td>CMR</td><td>Data(1),Coord(...</td></tr><tr><td>1101-CMR+</td><td>1101-CMR+</td><td>CMR+</td><td>Data(1)</td></tr><tr><td>1101-Leica</td><td>1101-Leica</td><td>Leica</td><td>Data(1),Coord(...</td></tr><tr><td>1101-Leica4G</td><td>1101-Leica4G</td><td>Leica 4G</td><td>Data(1),Coord(...</td></tr><tr><td>1101-RTCM2</td><td>1101-RTCM2</td><td>RTCM 2</td><td>Data(1),Coord(...</td></tr></table> ✅ Select ❌ Cancel

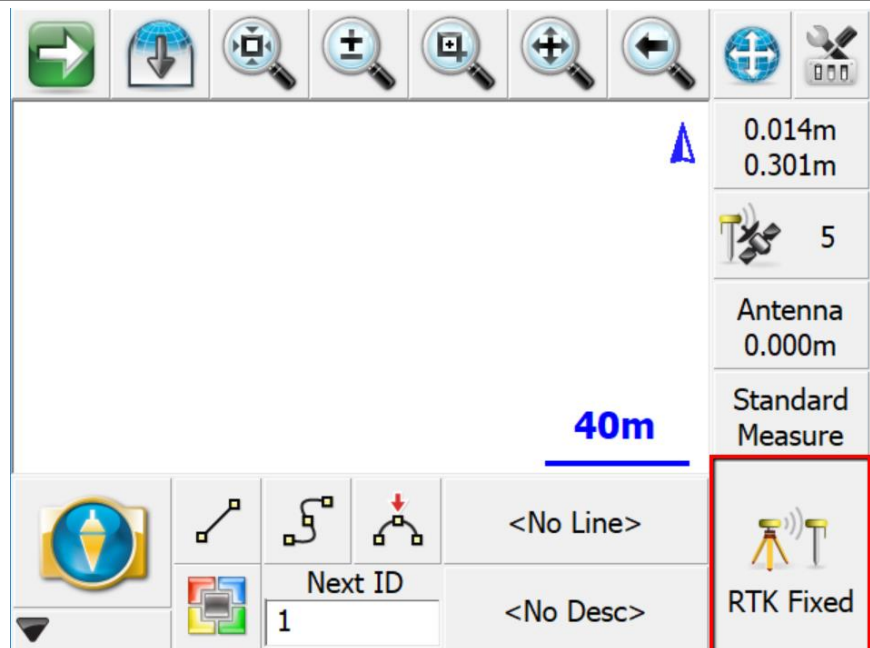|	
Connect Link Cont'd • Confirm Mount Point settings and pick **Select**	
Connected • The solution status on the instrument toolbar should soon show RTK Float or **RTK Fixed** when corrections are being received	
Complete	The Reach RS is now connected to work with MicroSurvey FieldGenius with an **RTK Fixed** position solution.