



## **MaCORS Quick Guide**

Rover Configuration for Trimble R8 &  
Bluetooth Cellphone

This Quick Guide outlines configuring the Trimble R8 & Bluetooth Cellphone to work with MaCORS.

- **Setting up the dial profile**
- **Creating the Survey Style**
- **Connecting to MaCORS**

### ***Firmware Requirements***

<b><i>Hardware Type</i></b>	<b><i>Minimum Recommended Versions</i></b>	
	<b><i>Hardware Firmware</i></b>	<b><i>Trimble Survey Controller</i></b>
R8 GNSS / R7 GNSS / R6 / R5 / R4	4.11	12.46
5800 II / 5700 II	4.11	12.46
R8 / R7	2.32	12.46
5800 / 5700	2.32	12.46

# Trimble R8 Dialing Profile

Setting up the dialing profile



From the Main Menu screen:

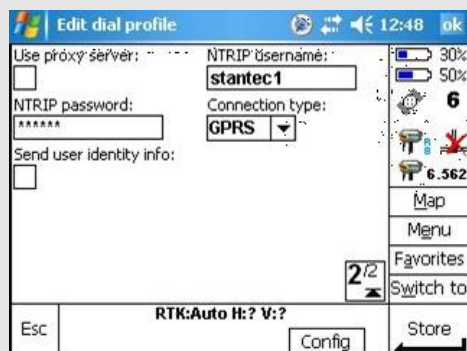
1. Select **Config** and then **Dial Profiles**:
2. Choose **New** and name the Profile "**MaCORS XX**" (where **XX** is the state abbreviation you are configuring)

**NOTE:** In this example a Nokia phone via Bluetooth is being used as the modem. The Bluetooth connection has already been made by pairing the sensor and the phone.



On the first page of the Edit dial profile screen:

3. Fill in the blanks
  - Use connection for your device.
  - **APN:** (Varies by carrier)
  - **IP Address:** 64.28.83.185
    - See [RTK Data Products](#) tab on the MaCORS website
  - **IP Port:** **10000**
  - Check the **Use NTRIP** box.

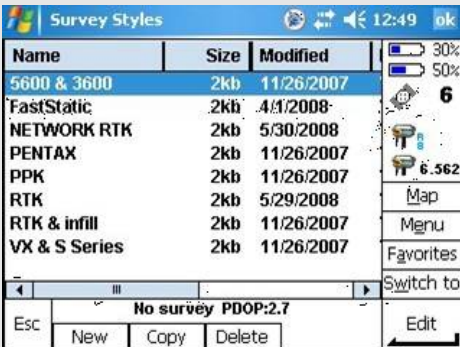


On the second page of the Edit dial profile screen:

4. Fill in the blanks
  - **NTRIP Username**
  - **NTRIP Password**
  - **Connection Type**
5. Press **Store**

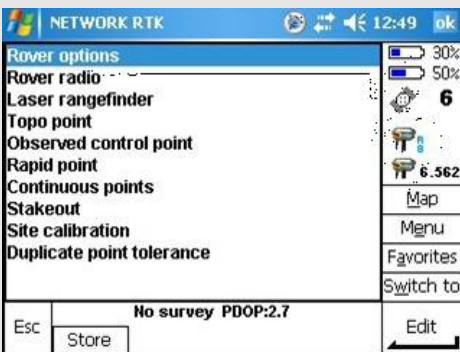
# Trimble R8 Survey Style

## Creating the Survey Style



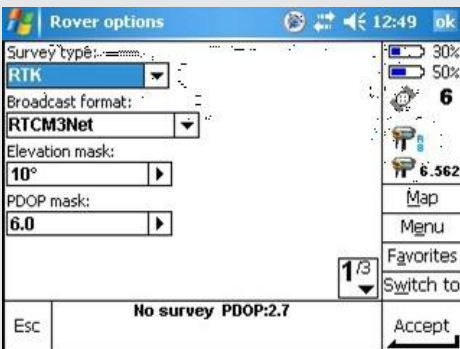
From the Survey Styles selection screen:

1. Choose **New** and name the Style “**MaCORS MAX**”



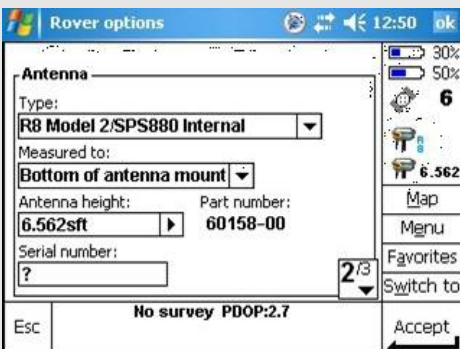
From the Survey Styles selection screen:

2. Highlight **Rover Options** and **Edit**

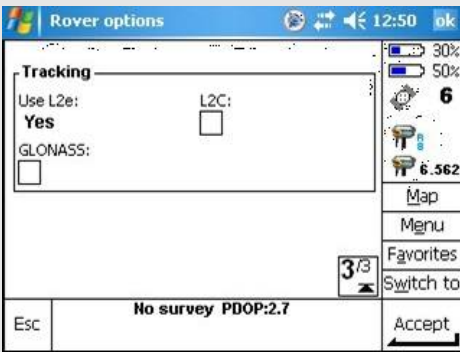


3. Fill in the blanks on page 1 / 3

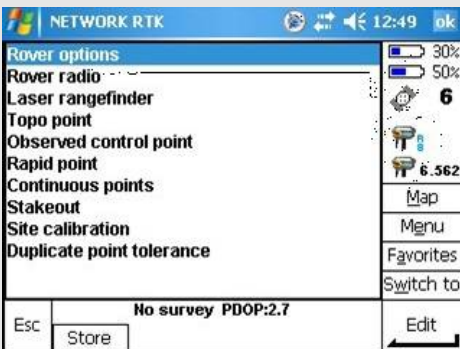
1. Survey type: RTK
2. Broadcast format: RTCM3Net



4. Fill in the blanks on page 2 / 3 based on your equipment

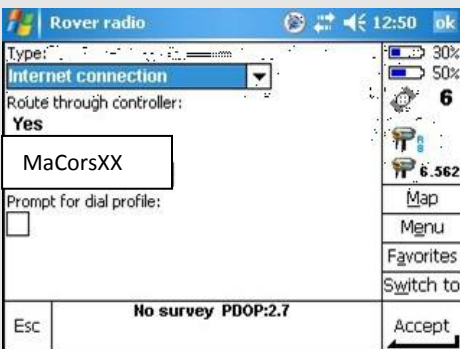


5. Select as appropriate and **Accept**.



From the Survey Styles Configure screen:

6. Highlight **Rover Radio** and **Edit**



7. Edit the Rover Radio

1. Select : **Internet Connection**
2. Dial Profile: **“MaCORS XX”**

8. After verifying your selections **Accept**

# Trimble R8 Connection

Connecting to the network



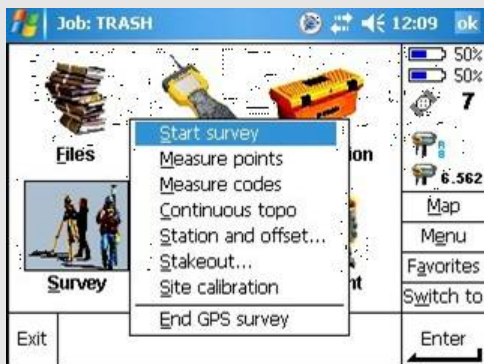
From the Main Menu:

1. Select **Survey** and then **Start Survey**

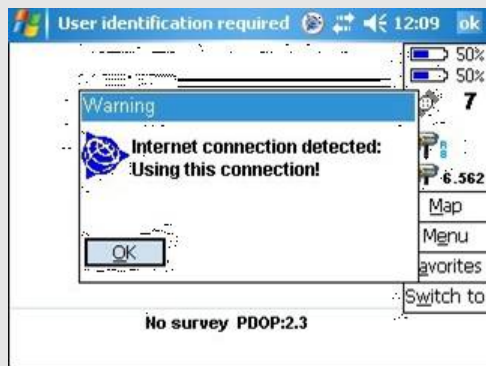


From the Main Menu:

2. Select your Survey Style "**MaCORS MAX**"

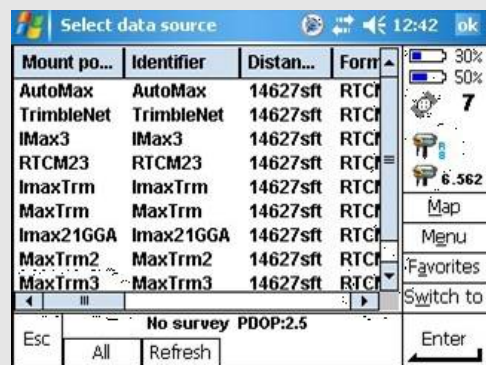


3. Select **Start Survey**



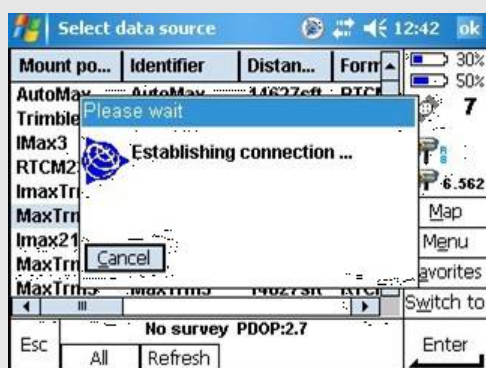
From the Warning screen

4. Select **OK**



From the Select Data Source Screen

5. Select the proper Mount Point "**RTCM3\_MAX**"



From the Select Data Source Screen

6. Wait for the connection to be established



7. Go Survey.