THE CALIFORNIA REAL-TIME NETWORK:

Geodetic RTK Surveying

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How Do I Connect to CRTN?

1. Need RTK rover with internet access

2. NTRIP Access:
   • Northern California
   • IP: 132.239.152.175
   • Port: 2103

3. Need Account (username & password)
How Do I Connect to the CRTN?

Register for an account

(ftp://sopac.ucsd.edu/crtn.shtml)
CRTN Registration

1. Please provide your business contact information rather than your personal information. Please double check your Information, especially your email address.

- Name (First and Last Required):
- Employer/Company (enter NA if not applicable)
- Business Address
  - Business Address (Continued)
  - City/Town:
  - State/Province
  - ZIP/Postal Code:
- Phone Number
- Business Email Address
- Business Website Address (enter NA if not applicable)

(https://surveymonkey.com/r/crtn_registration)
Connection Examples

- Trimble Access
- Topcon Magnet
- Carlson SurvCE
- Leica Captivate
Trimble Access

Step 1 – Settings

Step 2 - Connect
Step 3 – GNSS Contacts

Step 4 - Connect

Trimble Access

Connect

Internet setup
GNSS contacts
Auto connect
Radio settings
Bluetooth

GNSS contacts

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRTN EBRPD</td>
<td>Internet rover</td>
</tr>
<tr>
<td>CRTN-WIFI</td>
<td>Internet rover</td>
</tr>
<tr>
<td>CSDS VSN</td>
<td>Internet rover</td>
</tr>
</tbody>
</table>

Edit
Step 5 – Connection Type

Step 6 – Address & Account
Step 1 – Setup

Step 2 – Survey Settings
Step 3 – GPS Configurations

Step 4 – Add Configuration
Step 5 – Configuration

- **Name**: My ESC Network RTK Simulator
- **Type**: Network RTK
- **Corrections**: Single Base
- **Protocol**: NTRIP

Step 6 – Receiver

- **Simulation Mode**
- **Rover**
- **Manufacturer**: Simulation
Step 7 – Configure Rover

Step 8 – Address
Carlson SurvCE

Step 1 – Settings

Step 2 - Connect
Step 3 – Communications

Step 4 - Receiver
Step 5 – RTK Configuration

Step 6 – NTRIP setup
Carlson SurvCE

Step 7 - Station

Step 8 - Connect
Leica Captivate

Step 1 - Settings

Step 2 - Connections
Step 3 – RTK Rover Wizard

Step 4 – RTK Profile

Name your RTK Profile
Leica Captivate

Step 5 – Connection

Step 6 – Port
Step 7 – Device

Step 8 – Select Device

Select your modem
How are you connecting to the internet?
Step 11 – Mountpoint Method

Step 12 – Select Mountpoint
Do not check “RTK corrections” box for single-baseline solution
Leica Captivate

Step 15 – Notifications

Step 15 – Complete