



PACIFIC CREST®

XDL BluCOM App

User Guide



Contact Information

Customer support and sales contacts

Quality, technology, and service are the hallmarks of Pacific Crest. We provide easy access to our customer service department to keep you running efficiently.

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Support hours are 8 am to 5 pm Pacific Time. Please visit our website for up-to-date news and product announcements. Firmware and software upgrades are available from our website, usually free of charge.

Legal notices

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July 2014, Version 1.0, Revision A, P/N 101030

Warranty

TRIMBLE MAKES NO WARRANTY OF ANY KIND WITH REGARD TO THIS MATERIAL, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

Trimble shall not be liable for errors contained herein or for incidental consequential damages in connection with the furnishing, performance, or use of this material.

Warranty

One-Year limited warranty

This warranty gives you specific legal rights. You may also have other rights which vary from state to state or area to area.

Trimble warrants XDL family products, inclusive of cables and batteries, against defects in materials and workmanship for a period of one year from receipt by the end-user.

Exclusions

Should Trimble be unable to repair or replace the product within a reasonable amount of time, a refund of the purchase price may be given upon return of the product.

The warranty on your radio shall not apply to defects resulting from:

- Improper or inadequate maintenance by the customer
- Unauthorized modification, negligence, or misuse
- Operation outside of the environment specifications

Warranty limitations

This warranty set forth above is exclusive and no other warranty, whether written or oral, is expressed or implied. Trimble specifically disclaims the implied warranties of merchantability and fitness for a particular purpose.

Notices

Class B Statement – Notice to Users. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the reseller or Trimble directly for help.

Changes and modifications not expressly approved by the manufacturer or registrant of this equipment can void your authority to operate this equipment under Federal Communications Commission rules.

Canada

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de Classe B prescrites dans le règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Europe

This product has been tested and found to comply with the requirements for a Class B device pursuant to European Council Directive 1999/5/EC on R&TTE, thereby satisfying the requirements for CE Marking and sale within the European Economic Area (EEA). These requirements are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential or commercial environment, and to ensure that the equipment is safe.

Australia and New Zealand

This product conforms with the regulatory requirements of the Australian Communications and Media Authority (ACMA) EMC framework, thus satisfying the requirements for C-Tick Marking and sale within Australia and New Zealand.

Notice to Our European Union Customers

For product recycling instructions and more information, please go to http://www.trimble.com/Corporate/Environmental_Compliance.aspx.

Recycling in Europe: To recycle Trimble WEEE (Waste Electrical and Electronic Equipment, products that run on electrical power.), Call +31 497 53 24 30, and ask for the "WEEE Associate". Or, mail a request for recycling instructions to:

Trimble Europe BV
c/o Menlo Worldwide Logistics
Meerheide 45
5521 DZ Eersel, NL

July 2014

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Safety Information

Before you use your radio, ensure that you have read and understood this publication, as well as safety requirements.

- C** **WARNING** – Antennas are excellent conductors of electricity, so use extreme caution when operating near power lines and other sources of electric current or during stormy weather.
- C** **CAUTION** – A license is required before transmitting with radio communication equipment.

Warnings and cautions

An absence of specific alerts does not mean that there are no safety risks involved.

Always follow the instructions that accompany a Warning or Caution. The information they provide is intended to minimize the risk of personal injury and/or damage to the equipment. In particular, observe safety instructions that are presented in the following formats:

- C** **WARNING** – A Warning alerts you to a likely risk of serious injury to your person and/or damage to the equipment. A warning identifies the nature of the risk and the extent of possible injury and/or damage. It also describes how to protect yourself and/or the equipment from this risk. Warnings that appear in the text are repeated at the front of the manual.
- C** **CAUTION** – A Caution alerts you to a possible risk of damage to the equipment and/or loss of data. A Caution describes how to protect the equipment and/or data from this.

Introduction

Thank you for downloading the XDL BluCOM app for your Android™ device. This app can be used to configure your XDL Rover 2 radio modem from an Android device using Bluetooth® wireless technology. The XDL BluCOM application provides a versatile solution for wirelessly reconfiguring the XDL Rover 2 modem. Your success in using the XDL BluCOM application for your Android device is our primary goal. We stand behind our product with expert support and service. We welcome your comments and questions.

About the user guide

This guide is written for the first-time user and gives details concerning system setup and operation. We urge you to take the time to review this user guide completely before you install and operate the application.

Technical Support

If you have a problem and cannot find the information you need in this user guide, contact your local reseller or go to the Support area of the Pacific Crest website (www.pacificcrest.com/support.php). Product updates, documentation, and any support issues are available for download.

If you need to contact technical support, email support@pacificcrest.com.

Downloading and Installing the App

The XDL BluCOM app is compatible with all Android devices that are running version 2.3 and later of the Android operating system.

***Note:** If the XDL BluCOM app does not install correctly, if it force closes, or is not running correctly, report the issue to support@pacificcrest.com.*

***Note:** All Android devices have slightly different user interfaces. It is not in the scope of this document to cover the installation process on all Android devices; however, the procedures below are generally those used by the Android operating system. If you are experiencing difficulties when installing the XDL BluCOM app, refer to the user guide for your device.*

Downloading the XDL BluCOM app

You can download the XDL BluCOM app onto your Android device, from:

- the Google Play™ store.
- from the Pacific Crest website, at www.pacificcrest.com.

Installing the app on your Android device

Installing from Google Play Store

1. In the Google Play store, search for *XDL BluCOM* and then select it.
2. Tap **Install** and then follow the instructions to complete the installation process.
Once the installation is complete, an XDL BluCOM icon appears on the *App* menu list.

Installing from the Pacific Crest website

1. Download the XDL BluCOM app from the Pacific Crest website —the download status is shown in the notification bar. The device notifies you once the download is complete.
2. Tap the downloaded file to open the application and then follow the installation instructions to complete the installation.
Once the installation is complete, an XDL BluCOM icon appears on the *App* menu list.

Pairing the Android device with the XDL Rover 2

Do one of the following:

- Use Android system settings, see below.
- Use the XDL BluCOM app, see page 10.

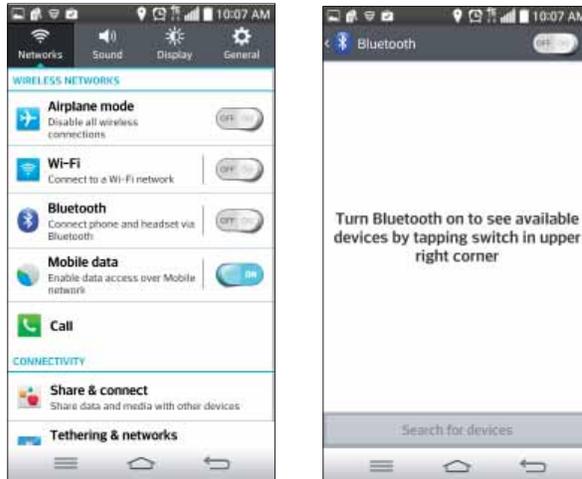
Pairing with the XDL Rover 2 using Android system settings

***Note:** The device used for demonstrating the set up of the XDL BluCOM app in this user guide is a LG G2 with version 4.4.2 of the Android operating system. If you own another device, or the same device running a different operating system, refer to that device's user manual to guide you through the set up.*

1. On your Android device, tap the *Settings* icon:



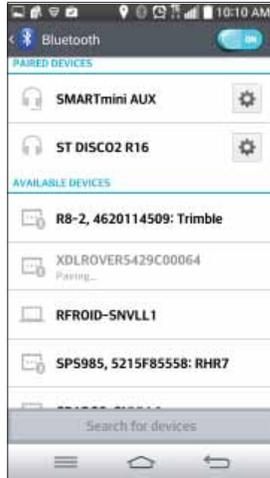
-
2. Scroll down to *Bluetooth* and then toggle the switch to *ON*:



3. Ensure that the XDL Rover 2 is in Bluetooth mode. Refer to the *XDL Rover 2 User Guide*.
4. Tap **Search for Devices**:



-
5. Search for and then tap the XDL Rover 2 to begin the pairing process:



Note: The rover is identified by XDLROVER, followed by the radio's unique serial number. This ensures that you always select the right unit when there are multiple units within Bluetooth range.

Once the pairing is complete, the XDL Rover 2 appears in the *Paired Devices* list:

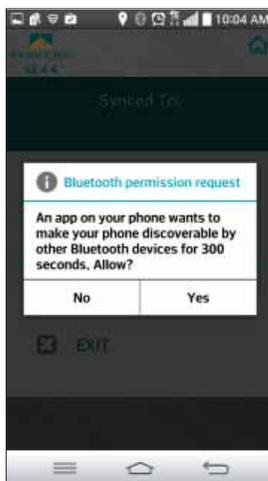


Pairing with the XDL Rover 2 using the XDL BluCOM app

1. On your Android device, tap the *XDL BluCOM* icon and then wait for the application to load:

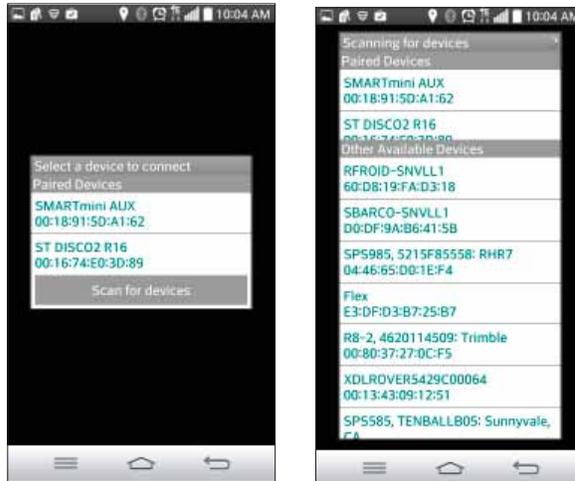


2. When a message *An app wants to turn on Bluetooth. Allow?* appears, tap **Yes**.
3. Tap **Yes** again to allow the Android device to be visible to other devices for 300 seconds:

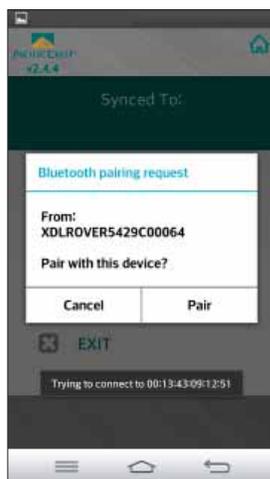


Note: *The device will automatically return to non-discoverable mode after 300 seconds.*

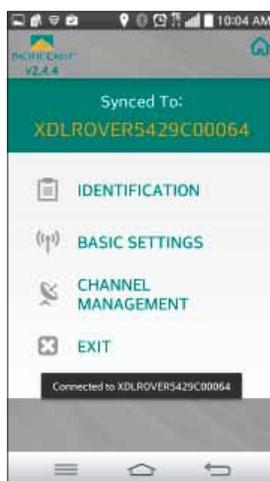
4. Tap **Scan for devices**. The app will now search for all nearby Bluetooth-enabled devices:



5. When the XDL Rover 2 appears in the *Available Devices* list, tap it.
6. The XDL BluCOM app prompts you for permission to pair with the XDL Rover 2. Tap **Pair** to continue:



Once the app has successfully paired with the XDL Rover 2, the landing screen appears:



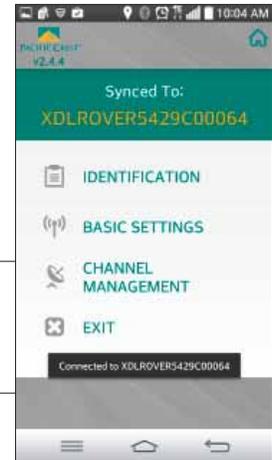
Navigating the App and Configuring the Radio

Once you have paired the app to the radio modem, the landing page shows the following options:

- Identification
- Basic Settings
- Channel Management
- Exit

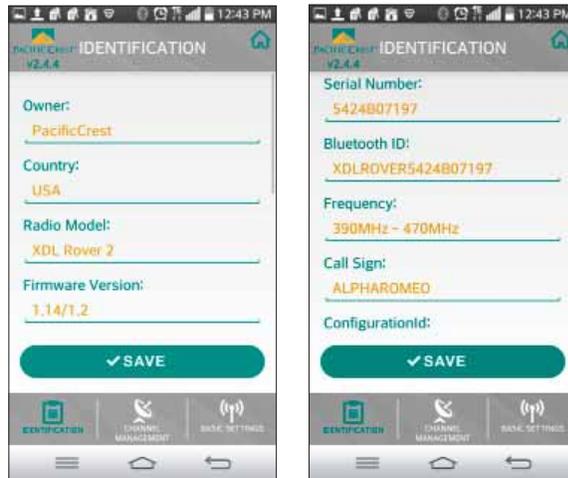
C **CAUTION** – If you navigate away from a tab to another tab without tapping **SAVE**, you will lose all changes that you made on that tab. If you plan to navigate to another tab, ensure that you have saved any changes that you made in the current tab.

Note: You can also navigate between the different tabs by tapping the icon that appears at the bottom of the tab screens:



Identification tab

Tap *Identification* to see key information on the radio modem:



The *Identification* tab contains the following information:

Field	Description
Owner	This is an editable field where you can set a custom name for your radio modem.
Country	Shows the current country code setting. Read only.
Radio Model	Shows the radio model name. Read only.
Firmware Version	Shows the current firmware version of the radio modem. Read only.
Serial Number	Shows the serial number of the radio modem. Read only.
Bluetooth ID	Shows the Bluetooth ID of the radio modem. Read only.
Frequency	Shows the frequency range of the radio modem. Read only.
Call Sign	Shows call sign of the radio. Read only.
Configuration ID	Shows the current configuration of the radio modem. Editable field.

Basic Settings tab

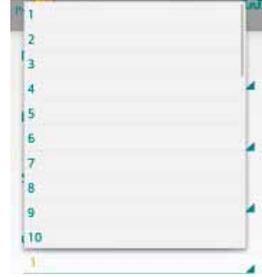
Tap *Basic Settings* to edit the basic settings of the radio modem:



You can program the following settings:

Field	Description	
Link Rate	When you tap <i>Link Rate</i> , a list of link rates appears. You can program the following link rates into the radio modem: <ul style="list-style-type: none"> • 4800 • 8000 • 9600 • 16000 • 19200 	
Modulation	When you tap <i>Modulation</i> , a list of over-the-air link rates appears. You can program the radio modem to use GMSK or 4LFSK modulation.	
Protocol	When you tap <i>Protocol</i> , a list of available protocols appears. Select the appropriate protocol that is compatible with your system.	
Serial Rate	When you tap <i>Serial Rate</i> , a list of the available serial rates appears. Select the serial rate that is compatible with your system.	

Field	Description
Channel	When you tap <i>Channel</i> , a list of all the channels that are available in the radio modem appears. If 4 frequency channels are programmed in the radio, the list shows 4 channels. Select the channel that you want your radio modem to receive on.



Once you have programmed the radio modem with new settings, tap **SAVE**.

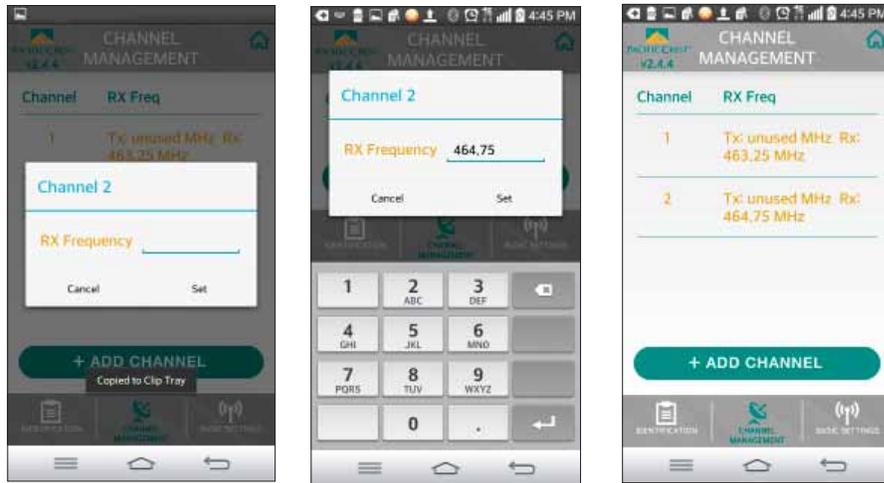
Channel Management tab

Tap *Channel Management* to program new channels into the radio modem and/or edit existing channels:



Programming a new channel into a radio modem

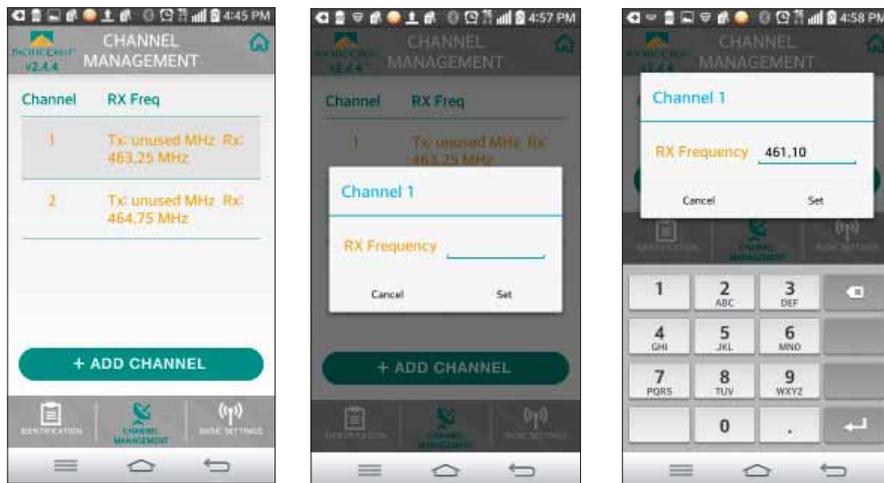
1. Tap **ADD CHANNEL**.
2. Enter the required *Frequency* and then tap **Set** - the new frequency will now appear in the *Channel Management* tab and can also be selected from the *Basic Settings* tab:



The new channel will be used by the radio modem after you exit the app.

Editing an existing channel

1. In the *Channel* table, tap the channel that you want to edit, in this example, Channel 1.



2. Enter the new *Frequency* and then tap **Set** - the new frequency will now appear in the *Channel* table in the *Channel Management* tab.

The new channel will be used by the radio modem after you exit the app.