CTI Products

RadioPro™ Dispatch

Reverse Geocoding Installation and Configuration Guide



For Version 9 Software

Contact Us

Support, replacement part ordering, and service may be arranged by contacting our Cincinnati office. Parts for service can be returned following request of a Return Material Authorization.

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Technical terms

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Warnings

Notes and important information

Software buttons, menus, menu options, folders, and pages

Software parameter values

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1 INTRODUCTION

RadioProTM provides remote access to 2-way radios via IP Networks. This "Dispatch over IP" (DoIP) solution consists of PC-based software allowing voice and data communications between PC users and 2-way radio subscribers. Communications with radio subscribers is also possible for remote mobile users using Android or iOS devices. A RadioPro system consists of at least one RadioPro IP Gateway (server) and at least one client (DispatchTM, SoloTM, and RadioPr TalkTM for mobile devices) with an IP network connecting the RadioPro components.

The Reverse Geocoding feature that allows GPS coordinates transmitted from subscriber radios to be reverse geocoded into street addresses requires additional setup and configuration.

Before continuing please verify that your RadioPro Dispatch has the necessary license for Reverse Geocoding. Click on the **Options** menu, and then click **Update License** to display the license window.

Update License (LOCKED)	×
C General	
Dispatch License Id	1070
Gateway Connections	10
C Features	
Voice	Yes
Telemetry	Yes
GPS	20 Subscribers
Reverse Geocoding	Yes
Text Messaging	Yes
Callbox	15 Subscribers
Import Li	rense Kev
impore Li	conservey

If a green Yes is to the right of Reverse Geocoding than the reverse geocoding license is installed properly.

Also, please have available the reverse geocoding Address Assets zip file that came with the reverse geocoding license. This file contains postal addresses for your coverage area and parcel data for counties that you purchased.

2. CONFIGURATION

Configuration can be performed only if the program is in *Edit* mode. To change to *Edit* mode, click on the **File** menu, and then click **Edit**. (If **Lock** is displayed in the menu, then the RadioPro Dispatch client is already in *Edit* mode.)

Step 1. Install MongoDb

MongoDb is required to be installed for reverse geocoding to work. MongoDb is not installed by default for all users. If the MongoDb installer is not part of your Dispatch installation package, please contact CTI Products for additional instructions.

Click on the **Options** menu, then **Dispatch Settings.** In the **Dispatch Settings** screen go to the **GPS** section. Within the **GPS** section, click on **Reverse Geocoding**. If MongoDb is not installed, the Reverse Geocoding screen will look like the following:

S Dispatch Settings				- 0	×
B-Ng General Actions B-Mail & Text Alerts B- Toolbar Buttons H Avigilon √ Callbox	Install M Imported Add	IongoDb dress Files			
 ⊕ USB Devices ⊕ GPS ⊕ P Subscriber Licensing ⊕ Reverse Geocoding ⊕ New Presets ⊨ Overlays ⊕ Geo-fences ⊕ P Subscript 	File Type	File Name There are no item	Status		
	Database Ado Parcels Addresses Zipcodes	ad Database			
ABC Company Configuration.tdcfg			Apply	Cancel	

To install MongoDb, press the Install MongoDb Button. The installer will request elevated privileges. When complete, the status bar text will change to "Install Finished Successfully" and then the status bar will disappear.

The button text will change to Uninstall MongoDb with "-- MongoDb Installed --" displayed to the right.

Step 2. Import Address and Parcel Data

Reverse geocoding requires postal address information to be imported.

Dispatch Settings					- 0	ı ×
General Actions E-Mail & Text Alerts	Uninstall	MongoDb	MongoDb Instal	led		
Colbar Buttons Avigilon	Imported Add	dress Files ——				
- Callbox	Import	Clear				
GPS Subscriber Licensing Reverse Geocoding	File Type	File Name Th	ere are no items in this	Status		
View Presets Sector 2 View Presets Sector 2 Sector 2 Sector 2 View Presets Sector 2 Se						
±- ¥ Telemetry	Relo	oad Database				
	- Database Ado	dress Records				
	Parcels	0				
	Addresses	0				
	Zipcodes	0				

Press the **Import** button to bring up the **Open** dialog window. From this window navigate to the zip Address Asset File that came with the reverse geocode license. Press **Open** to add the zip file to the "Imported Address Files" list.

The Address Assets File will have licenses that need to be agreed to in order to proceed:

Real Estate Portal USA Data Download #oBFjQL7J Generated 2020-02-06 13:59:10	nty_39025_rec4a551_LICENSE.txt 6P8zICpNMRUJPp6O4		
Real Estate Portal USA, LLC PARCEL DATA LICENSE AGREEMENT			
GRANT OF LICENSE Real Estate Portal USA, LLC Grants a non-exclusiv manner and subject to the terms and restrictions	e non-transferable limited right and licen set forth herein.	se to the data	a in the
ACCURACY OF INFORMATION/WARRANTY			
 a. The data furnished through and compiled by R the accuracy, completeness, timeliness, or correc Estate Portal USA's knowledge, licensee's use of s 	teal Estate Portal USA, LLC is believed to b tress of such data is not guaranteed by th such data within the scope of this license of	e reliable. Ho ne Licensor. does not infri	wever, To Rea nge
	Cancel	Acc	cept

Press the

You may receive

Accept

button to accept all licenses associated with the Address Assets Files.

his error message:	Error Importing Address Files	83
	Address archive will not work with this Dispatch License (1070)	
	ОК	

This window indicates that **your license key does not match the license key in the Address Assets File**. Please contact CTI Products Technical Support to have the correct Address Assets File sent to you.

Step 3. Reload the Database

The Reverse Geocode Database will need to be reloaded when changes are made to the list of Address Asset Files.



It may take several minutes to reload the database depending on how many addresses are in your coverage area.



Step 4. Verify Correct Installation

Once the database is loaded, the following features will be available:

- GPS locations from subscriber radios will be translated into street addresses.
- GPS reports will have information for street addresses.
- The What's this address feature on maps will give you a street address.



• Parcels will show on maps when zoomed in close enough