Cummins INLINE™ 7 Data Link Adapter Installation and Setup Manual





Cummins INLINE[™] 7 Data Link Adapter Installation and Setup Manual. The Cummins INLINE[™] 7 was designed and manufactured by IDSC Holdings LLC for Cummins Inc.

IDSC Holdings LLC retains all ownership rights to INLINE 7 Data Link Adapter design and its documentation. The INLINE 7 Data Link source code is a confidential trade secret of IDSC Holdings LLC. You may not decipher or de-compile the INLINE 7 Data Link Adapter, develop source code for the INLINE 7 Data Link Adapter, or knowingly allow others to do so. The INLINE 7 Data Link Adapter and its documentation may not be sublicensed or transferred without the prior written consent of IDSC Holdings LLC.

This manual, as well as the software it describes, is furnished under license and may only be used or copied in accordance with the terms of such license. The content of this manual is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by IDSC Holdings LLC. IDSC Holdings LLC assumes no responsibility or liability for any errors or inaccuracies that may appear in this book.

Except as permitted by such license, no part of this publication may be reproduced, or transmitted, in any form or by any means, electronic, mechanical, or otherwise, without the prior written permission of IDSC Holdings LLC.

The Cummins logo and INLINE 7 are trademarks of Cummins, Inc. The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG. Other trademarks and trade names are those of their respective owners.

©2015 IDSC Holdings LLC. All rights reserved. All other marks are trademarks or registered trademarks of the respective holders. Pictures for illustration purposes only. Specifications are subject to change without notice.

The transmitter modules contained in this product comply with regulatory standards EN 300 328 and EN 301 489-1/ -17. Human exposure of these modules is below the SAR limits specified in EU recommendation 1995/519/EC.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. A distance of 20cm minimum should be maintained between the product and all persons during operation. This device contains FCC-IDs : 2AJFJ-USBL2-IL7, QOQWT41.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

C E Part No. 965062 R

Revised 09/15/2016

Table of Contents

Chapter 1:
Using this Manual1
Manual Overview2
Conventions
Chapter 2:
Introducing the Cummins INLINE™ 7
Data Link Adapter5
Component Checklist6
Product Specifications7
System Requirements8
Device Features9
Communication Options: Wired vs Wireless
Wired USB Connection13
Wireless Bluetooth Connection14
Wireless Wi-Fi Connection15
Mini Access Point Mode (Peer-to-Peer)16
Infrastructure Mode (Connecting to your Company's Network)17
Chapter 3:
Installing the Drivers and Setting Up the Device 19
Installation Process Outline20
Step 1: Install the Drivers21
Step 2: Connect the INLINE™ 7 to a Vehicle
Making a Wired USB Connection
Making a Wireless Bluetooth Connection
Connecting via a Class 1, External Bluetooth Adapter
Pair the Device
Making a Wireless Wi-Fi Connection
Mini Access Point Mode39
Infrastructure Mode43

Cummins INLINE™ 7 Data Link Adapter Installation and Setup Manual iii

Table of Contents

Step 3: Test the Connection	44
Using the Cummins INLINE [™] 7 Explorer Utility	48
The Configuration Tab	50
Switching Modes: Mini Access Point and Infrastructure	51
The File Menu	52
The Tools Menu	53
Ping	53
Options	54
Start INLINE7 Explorer when Windows Starts	54
Show New INLINE7 Notification	55
The Help Menu	56

Chapter 1

Using this Manual



▼ Manual Overview, page 2

Conventions, page 3

This chapter provides an overview of this manual's organization and the conventions used throughout.

NOTE:

Screen shots used throughout this manual are for illustrative purposes only. All data shown is fictitious in nature.

Manual Overview

This manual provides basic and detailed information to support you during installation and setup of the Cummins INLINE[™] 7 Data Link Adapter.

This manual is composed of the following sections:

- *Table of Contents*—helps you to find the information you are looking for quickly and easily.
- Chapter 1: Using this Manual—provides an overview of this user's manual.
- Chapter 2: Introducing the Cummins INLINE[™] 7 Data Link Adapter provides details regarding the communication modes available to you to interface with your PC. It also introduces the features of the INLINE[™] 7 (i.e., the LEDs, the Reset Button, the USB port, and the Vehicle port).
- Chapter 3: Installing the Drivers and Setting Up the Device—provides instructions for installing NEXIQ[™] drivers and utilities, connecting the INLINE[™] 7 Data Link Adapter to a vehicle, connecting to a wireless network, and testing the connection. It also provides information on using the Cummins INLINE[™] 7 Explorer utility.

Each chapter begins with an "at-a-glance" list of the chapter contents, along with corresponding page numbers.

Conventions

This section provides descriptions of the conventions used throughout this guide.

Special Messages

Note

NOTE provides an explanation, comment, or tip related to the subject matter that is being discussed.

Example:

NOTE:



Refer to the page number provided for each described component for further details.

Important

IMPORTANT indicates a situation which, if not avoided, may result in damage to the test equipment or vehicle.

Example:

IMPORTANT:

 \mathbb{N} Keep all cables clear of moving or hot engine parts.

Caution

CAUTION indicates a potentially hazardous situation which, if not avoided, may result in moderate or minor injury to the operator or to bystanders.

Example:

CAUTION:



 \setminus Do not use the unit to perform tests on household or industrial sources.

Warning

WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to the operator or bystanders.

Example:

WARNING:

All RP1210 adapters must be disconnected before proceeding with installation.

Troubleshooting

Information intended to help you to address or anticipate potential issues are presented in the following manner:



Check to make certain that the Power LED on the INLINETM 7 is illuminated.

Specialized Text

The following specially formatted text is used to help you to differentiate certain elements discussed within this manual:

- *Emphasis:* Used to draw your attention to particularly important information.
- FEATURE: Used to highlight the name of a specific feature.

Example: "Click on the Finish button to continue."

• Field/Line: Used to highlight the name of a field or a line of text from a display.

Example: "Place a check mark in the **Always trust software from IDSC Holdings LLC** check box."

• Menu Items: Used to highlight a series of menu selections.

Example: "From the Start menu, select **Programs Cummins INLINE 7 CumminsValidationTool**"

• Screen titles: Used to highlight the title of a screen displayed.

Example: "The Installation Complete screen is displayed."

Chapter 2

Introducing the Cummins INLINE[™] 7 Data Link Adapter



- Component Checklist, page 6
- ▼ Product Specifications, page 7
- ▼ System Requirements, page 8
- ▼ Device Features, page 9
- Communication Options: Wired vs Wireless, page 13
 - ▼ Wired USB Connection, page 13
 - Wireless Bluetooth Connection, page 14
 - ▼ Wireless Wi-Fi Connection, page 15
 - ▼ Mini Access Point Mode (Peer-to-Peer), page 16
 - ▼ Infrastructure Mode (Connecting to your Company's Network), page 17

he INLINE[™] 7 Data Link Adapter is a hardware device that enables service bay personal computers (i.e., PCs and/or laptops) to retrieve vehicle information using either wireless Bluetooth[®] technology, a more traditional cable connection, or Wi-Fi. Once configured, the INLINE[™] 7 interfaces with your PC, enabling you to use specific PC applications to perform vehicle diagnostics.

This chapter introduces the Cummins INLINE[™] 7 Data Link Adapter and provides details regarding the communication modes available to you to interface with your PC. It also introduces the features of the INLINE[™] 7 (i.e., the LEDs, the Reset Button, the USB port, and the Vehicle port).

Component Checklist

The following components are included with your Cummins INLINE[™] 7 Data Link Adapter. Be sure you have all of the following items before using the device:

- ✓ INLINE[™] 7 Data Link Adapter
- ✓ Automotive A to Mini-B USB Cable (see Figure 2.2)
- ✓ 6- and 9-pin "Y" Deutsch Adapter
- ✓ 2-pin Delphi/3-pin Deutsch Adapter (with battery clips)
- ✓ Carrying Case
- ✓ Cummins INLINE[™] 7 Quick Start Guide

NOTE:

INLINE[™] 7 drivers and a portable document format (PDF) version of this manual are available for download at the Cummins website **[insert web address]**.

Product Specifications

The INLINE[™] 7 Data Link Adapter is configured with the following specifications:

Feature	Data
Physical Dimensions	6.75" x 3.75" x 1.06" (171 mm x 95 mm x 27 mm)
Weight	8 oz. (0.22 kg)
Power Requirements	6 - 32 VDC @ 350 mA maximum
Operating Temperature	0 to +70 °C
API Driver	 TMC RP1210A, RP1210B, and RP1210C compliant SAE J2534 compliant
Vehicle Protocols Supported	 J1708/J1587 J1939 (250K, 500K, or 1 MB) CAN (125K, 250K, 500K, 1 MB) (3 CAN channels with Auto Baud) ISO 9141 ISO 14230 (KWP2000) ISO 15765
USB Communication	USB Device, version 1.1
USB Connector	Latching USB Mini-B
Wired Communication	Automotive A to Mini-B USB cable 13 ft. (4 m) maximum
Wireless Communication	 Bluetooth[®] Class 1 adapter (up to 100 m range) Dual band Wi-Fi (802.11 a/b/g/n)
Vehicle Connector	High Density D-sub 26-pin Male (HD26M)

System Requirements

Be aware of the following system requirements:

Component	Requirement
IBM PC-compatible computer	 1GHz processor or more RAM: 256MB or more (512MB recommended) USB port, version 1.1 or higher Wi-Fi card
Operating system	 Windows[®] 7 Windows[®] 8 Windows[®] 10
Bluetooth [®] adapter (sold separately)	 Bluetooth[®] Class 1 USB Adapter (up to 100m range) Note: PCs that have Integrated Bluetooth typically use a Class 2 Bluetooth[®] module, which has limited range (typically 10m).
Wi-Fi wireless network	Dual band Wi-Fi (802.11a, b, g, or n)

Device Features

The following illustration details the features of the INLINE[™] 7 device.



Legend

A—Vehicle PortD—Wireless Comm LEDB—Power LEDE—Fault LEDC—Vehicle Data LEDF—USB Port

Feature What It Does Vehicle Port Connects the INLINE[™] 7 to a vehicle/engine for power and data. Power LED Illuminates when the device receives power. Vehicle Data LED Illuminates when the device is receiving data from the vehicle. Fault LED Illuminates when a problem is detected. USB Port Connects the device to your PC (wired connection). Latching USB Mini-B Connector for connection to PC host. Not used with iOS device.

The following features behave the same whether the device is in Bluetooth[®] or Wi-Fi mode:

The Wireless LED and the Reset Button, however, behave differently depending on which mode (i.e., Bluetooth or Wi-Fi) the device is in.

Feature	What It Does
Wireless Comm LED: Blue: Bluetooth Mode	 If the device is Discoverable: Illuminates solid blue when connected. Blinks every second when not connected. If the device is Non-Discoverable: Illuminates blue when connected. Off when not connected.
Wireless Comm LED: White: Wi-Fi—Mini Access Point Mode	 Mini Access Point Mode: Illuminates solid white when a client PC connects to the device. Off when no client PC is connected.

Feature	What It Does
Wireless Comm LED: Orange: Wi-Fi—Infra- structure Mode	 Infrastructure Mode: Stays off when not associated with a network Access Point. Blinks every second when associated with an access point, but no IP address assigned. Illuminates solid orange when successfully assigned an IP address.
Reset Button Bluetooth Mode	 The INLINE[™] 7 factory default is Bluetooth mode in a Non-Discoverable status. To confirm that the device is in Bluetooth mode, press the Reset button momentarily and the Wireless LED will illuminate blue. In Bluetooth mode, the Reset button is used to change the status of the device. The two status modes are: Non-Discoverable—When the INLINE[™] 7 is Non-Discoverable, it will only connect to a host device with which it has previously been paired. Discoverable—When the INLINE[™] 7 is Discoverable, a host device can detect, pair, or connect to it. To change the mode from Non-Discoverable to Discoverable, press and hold the Reset button until the Wireless LED begins to flash blue (about 3 seconds). Once a connection is established, the LED turns solid blue. After two minutes, discoverable to Non-Discoverable status.

Chapter 2 • Introducing the Cummins INLINE™ 7 Data Link Adapter

Feature	What It Does	
Reset Button Wi-Fi Mode	When using Wi-Fi, the INLINE™ 7 can be con figured for either of the following modes:	
	Mini-Access Point (Wi-Fi default)Infrastructure	
	Note: INLINE TM 7 cannot be used in Infrastruc- ture mode until it has been configured using the Explorer utility (see <i>Using the Cummins</i> <i>INLINETM</i> 7 <i>Explorer</i> in Chapter 3 of this manual).	
	Once Infrastructure mode has been config- ured, you can switch between Mini-Access Point and Infrastructure modes by pressing and holding the Reset button for three (3) seconds. The LED will change color to indicate the mode change.	
Reset Button (to switch modes)	The Reset button is also used to switch back and forth between Bluetooth and Wi-Fi modes. To switch modes, press and hold the Reset button for about ten (10) seconds. All LEDs will flash momentarily to indicate that the device	
	 has been reconfigured and reset. Once the device reboots, the color of the Wireless LED will reflect the wireless mode: Blue = Bluetooth mode White = Wi-Fi, Mini Access Point mode Orange = Wi-Fi, Infrastructure mode 	

Communication Options: Wired vs Wireless

Prior to using the INLINE[™] 7, you need to decide how you want the unit to communicate with your PC. There are three options:

- Wired, USB Connection (pg. 13)
- Wireless, Bluetooth[®] Connection (pg. 14)
- Wireless, Wi-Fi Connection (pg. 15)

Wired USB Connection

A wired USB connection provides the advantages of high data throughput, low latency, and a high-reliability data connection.

IMPORTANT:

ECU reprogramming typically requires both high throughput and critical timing, and should *always* use a USB-to-PC wired connection.

Wired communication between the INLINE[™] 7 and your PC requires an automotive A to Mini-B USB cable (shipped with the INLINE[™] 7).



Figure 2.2 Automotive A to Mini-B USB Cable

NOTE:



For detailed instructions on making a wired connection, refer to *Making a Wired USB Connection* in Chapter 3 of this manual.

Wireless Bluetooth Connection

The INLINE[™] 7 can be configured to use Bluetooth[®] wireless technology to provide communication between the INLINE[™] 7 and your PC. Bluetooth[®] has limited bandwidth and exhibits latency when compared to WI-FI or a wired USB connection. This may result in dropped messages in situations requiring high bandwidth.

The INLINETM 7 Data Link Adapter is equipped with a Class 1 Bluetooth[®] module with a range of up to 100m when communicating with another Class 1 Bluetooth[®] device. Most PCs that feature Integrated Bluetooth[®] are equipped with a Class 2 Bluetooth[®] module, which limits the useful range to around 10m.

NOTE:

For maximum wireless range, the use of an external, Class 1 USB Bluetooth[®] adapter (sold separately) is recommended.

If you decide to employ an external, Class 1 USB Bluetooth $^{\ensuremath{\$}}$ adapter, you will have to perform the following tasks:

- Disable the integrated Bluetooth[®] device
- · Install the drivers supplied with the external adapter
- Configure the Bluetooth[®] environment.

For detailed instructions on configuring the INLINETM 7 for Bluetooth[®], see *Making a Bluetooth Wireless Connection*, in Chapter 3 of this manual.

Wireless Wi-Fi Connection

The INLINE[™] 7 can also be configured to use Wi-Fi to provide wireless communication between the INLINE[™] 7 and your PC.

There are two network options:

- Mini Access Point Mode (pg. 16)
- Infrastructure Mode (pg. 17)

Wi-Fi performance can be affected by network congestion or radio frequency interference if there are too many other wireless devices in the vicinity. These conditions may result in dropped messages. For this reason, Wireless communication is not recommended for ECU reprogramming (i.e, reflashing).

Mini Access Point Mode (Peer-to-Peer)

The easiest and quickest way to connect your INLINE[™] 7 to your PC is Mini Access Point mode. In Mini Access Point mode (also known as Access Point Emulation mode), the PC communicates directly with the INLINE[™]. The INLINE[™] 7 emulates the function of an access point, allowing the PC to connect directly to the INLINE[™] 7, as if it were an access point. When the PC is connected to the INLINE[™] 7 in Mini Access Point mode, neither device is connected to the company network.

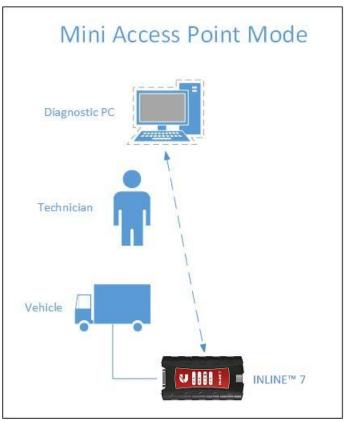


Figure 2.3 Mini Access Mode

If you use your PC's internal wireless network card to connect to your company's network and the Internet, you may want to obtain an additional wireless network card for use with the INLINE[™] 7. Otherwise when you connect the INLINE[™] 7 to your PC using Mini Access Point mode, you will not have access to the Internet until you have finished your session and reconnected to your company's network.

For instructions on connecting the INLINE[™] 7 Data Link Adapter and your PC using Mini Access Point Mode, see *Connect Using Wi-Fi*, in Chapter 3 of this manual.

Infrastructure Mode (Connecting to your Company's Network)

In Infrastructure mode, your PC communicates with your company's computer network through a Wireless Access Point (not included), which acts as a bridge between the wireless network and the wired network. In this mode, the INLINE[™] 7 is configured to communicate with the same access point. All communication between the PC and the INLINE[™] 7 passes through the access point.

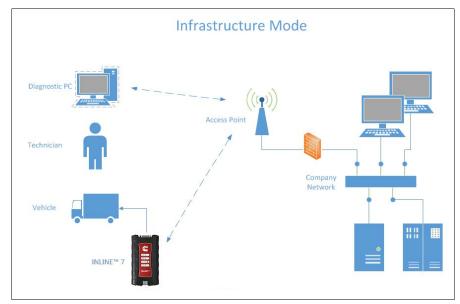


Figure 2.4 Infrastructure Mode

NOTE:

The settings for connecting to your company network may differ from one installation to another. To ensure network security, your Information Technology (IT) administrator will need to oversee the installation and specify the appropriate configuration parameters. Your IT administrator should be able to properly configure the INLINETM 7 for infrastructure mode, using the INLINETM 7 Explorer utility (see *Using the Cummins INLINETM* 7 *Explorer Utility* in Chapter 3 of this manual).

Chapter 2 • Introducing the Cummins INLINE™ 7 Data Link Adapter

18 Cummins INLINE™ 7 Data Link Adapter Installation and Setup Manual

Chapter 3

Installing the Drivers and Setting Up the Device



- Installation Process Outline, pg. 20
- ▼ Step 1: Install the Drivers, pg. 21
- ▼ Step 2: Connect the INLINE[™] 7 to a Vehicle, pg. 30
 - ▼ Making a Wired USB Connection, pg. 31
 - ▼ Making a Wireless Bluetooth Connection, pg. 32
 - Connecting via a Class 1, External Bluetooth Adapter, pg. 32
 - ▼ Pair the Device, pg. 34
 - Making a Wireless Wi-Fi Connection, pg. 39
 - ▼ Mini Access Point Mode, pg. 39
 - ▼ Infrastructure Mode, pg. 43
- ▼ Step 3: Test the Connection, pg. 44
- ▼ Using the Cummins INLINE™ 7 Explorer Utility, pg. 48

his chapter provides instructions for installing Cummins INLINE[™] 7 drivers and utilities, connecting the INLINE[™] 7 Data Link Adapter to a vehicle, connecting to a wireless network, and testing the connection. It also provides information on using the Cummins INLINE[™] 7 Explorer utility.

NOTE:

Screen shots used throughout this manual are for illustrative purposed only. All data shown is fictitious in nature.

Installation Process Outline

- **Step 1:** Install the INLINE[™] 7 drivers (pg. 21).
- Step 2: Connect the INLINE[™] 7 Data Link Adapter to the vehicle (pg. 30).

Connect to your PC using one of the following options:

- A wired, USB connection (pg. 31)
- A wireless, Bluetooth[®] connection (pg. 32)
- A wireless, Wi-Fi connection

There are two options:

- Mini Access Point Mode (pg. 39)
- Infrastructure Mode (pg. 43)
- **Step 3:** Test the connection between the INLINE[™] 7 and the vehicle using the Cummins Communication Validation Tool (*pg. 44*)

NOTE:

If you have questions about using this product, call **1-800-433-9341**

Step 1: Install the Drivers

Prior to using the INLINETM 7, you have to install the necessary INLINETM 7 drivers. The INLINETM 7 drivers are compatible with both $Microsoft^{\mbox{\ensuremath{\mathbb{R}}}}$ Windows[®] 7, Windows[®] 8 and Windows[®] 10.

IMPORTANT:

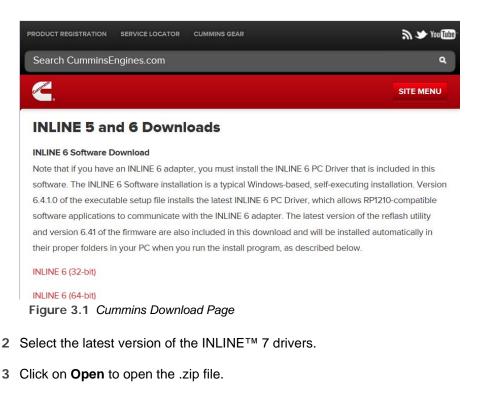
Remember, you *must* have Administrator security rights *and* be logged in as "Admin" to successfully complete the installation process outlined in this manual.

The following procedure assumes that you have Internet access.

To install the drivers on your laptop or PC:

1 On your laptop or PC, navigate to the following website:

http://cumminsengines.com/inline-downloads



4 Double-click on the .exe file to run the install.



The Welcome to INLINE™ 7 Setup screen is displayed.

Figure 3.2 Welcome to Cummins INLINE 7 Setup Screen

- 5 Carefully read the information displayed on the screen, and follow the recommendations.
- 6 Click Next.

The License Agreement screen is displayed.

icense Agreemer	t			_
-		alling Cummins INLINE 7 (Data Link Adapter	and the
Press Page Down to	see the rest of the ag	eement.		
AND IDSC Ho SNAP-ON INC ARE AGREEIN AGREEMENT. SUBSEQUENT PROGRAM. IF	ldings, LLC, A DRFORATED. BY G TO BE BOUND I THIS AGREEMEN LICENSEE OF TH	BETWEEN YOU, T WHOLLY OWNED SELECTING "I A BY THE TERMS OF T APPLIES TO YO S SOFTWARE AND CEPT OR AGREE T "I DECLINE".	SUBSIDIARY CCEPT" YOU THIS U AND ANY HARDWARE	of 🗖
If you accept the terms of the agreement, click I Agree to continue. You must accept the agreement to install Cummins INLINE 7 Data Link Adapter v2. 1.0. 13.				
mmins Inc. ———				

Figure 3.3 License Agreement Screen

7 Read all the information on this screen, then click I Agree.

NOTE:

If you do not agree to the terms, click **Cancel**. A message is displayed prompting you to confirm quitting INLINE[™] 7 Setup. Click **Yes** to quit.

The following warning message is displayed.

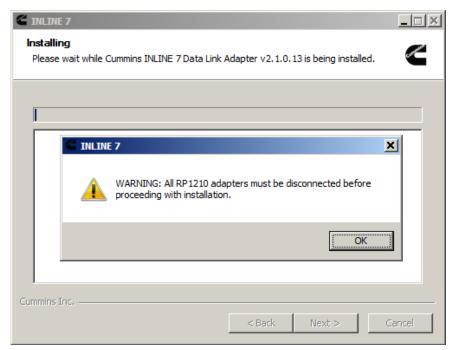


Figure 3.4 Warning Message

8 Carefully read the warning message, and disconnect all RP1210 adapters to which your laptop or PC might be connected prior to proceeding with the installation.

NOTE:

You must also exit the WVL2[™] Explorer utility if NEXIQ[™] WVL2[™] drivers have been installed on your laptop or PC.

9 Once you have complied with the requirements of the warning message, click OK.

The installation begins and the following screen is displayed.

C INLINE 7	
Installing Please wait while Cummins INLINE 7 Data Link Adapter v2.1.0.13 is being installed.	
Execute: wdreg_gui.exe -inf cil71200.inf -log wcil7120.log install	
Extract: wcil7120.inf 100% Extract: INLINE7USB.dll 100% Extract: difxapi.dll 100% Extract: wcil7120.cat 100% Extract: wcil7120.sys 100% Extract: wdreg_gui.exe 100% Extract: wdreg_gui.exe 100% Execute: CleanupUSBDriver.exe USB\VID_0F3F&PID_F057 Execute: wdreg_gui.exe -inf wcil7120.inf -log wcil7120.log install Execute: wdreg_gui.exe -inf cil71200.inf -log wcil7120.log install	
Cummins Inc	Cancel

Figure 3.5 Installation Screen

If you are running Windows[®] 7 or Windows[®] 8, the following **Windows** Security dialog may be displayed.



Figure 3.6 Windows Security Dialog

NOTE:

You may want to place a check mark in the **Always trust software from** "**Jungo LTD**" check box. If you leave it unchecked, this dialog may be displayed more than once.

- 10 Click Install to continue.
- 11 Wait briefly while the installation continues.

The Installation Complete screen is displayed.

C INLINE 7		
Installation Complete Setup was completed successfully.		
Completed		
Extract: C:\Program Files\Cummins\crt_insta Execute: "vcredist_x86.exe" /Q Execute: "DeviceTesterSetup.exe" /S Execute: "C:\Program Files\Cummins\INLINE Create folder: C:\ProgramData\Microsoft\Wi Create shortcut: C:\ProgramData\Microsoft\ Create shortcut: C:\ProgramData\Microsoft\ Create shortcut: C:\ProgramData\Microsoft\ Execute: "C:\ProgramData\Microsoft\ Execute: "C:\Program Files\Cummins\INLINE Completed	7\Driver_Update\Cummins.Inline7.Updat indows\Start Menu\Programs\Cummins\I. Windows\Start Menu\Programs\Cummins Windows\Start Menu\Programs\Cummins Windows\Start Menu\Programs\Cummins	
Cummins Inc	< <u>B</u> ack	ancel

Figure 3.7 Installation Complete Screen

12 Click Next.



The following completion screen is displayed.

Figure 3.8 Completion Screen

13 Click Finish.

 Image: Commins INLINE 7 Explorer v2.1.0.13

 File Isols Help

 Image: NUME 7s

 Image: Num 7s

The Cummins INLINE™ 7 Explorer utility opens.

Figure 3.9 Cummins INLINE™ 7 Explorer Utility

NOTE:

For information on using the Cummins INLINE 7 Explorer, see Using the Cummins INLINE™ 7 Explorer Utility on page 48 of this manual.

14 Move on to Step 2: Connect the INLINE™ 7 to a Vehicle, next in this manual.

Step 2: Connect the INLINE[™] 7 to a Vehicle

Once you have installed the INLINETM 7 drivers, you are ready to connect the INLINETM 7 to a vehicle using an adapter cable. Any of the following adapters can provide the interface:

- 6-pin Deutsch
- 9-pin Deutsch
- 9-pin Deutsch (1 meter)
- 6- and 9-pin Deutsch Y
- 16-pin J1962 for OBD II

Next, you connect the INLINE[™] 7 to your PC using one of the following options:

- A wired, USB connection (pg. 31)
- A wireless, Bluetooth[®] connection (pg. 32)
 - Connecting via a Class 1, external Bluetooth[®] adapter (recommended)
 - or
 - Connecting via Integrated Bluetooth®
- A wireless Wi-Fi connection (pg. 39)
 - Mini Access Point Mode (pg. 39)

or

- Infrastructure Mode (pg. 43)

Making a Wired USB Connection

To connect the INLINE[™] 7 to your PC using a USB cable:

- 1 Connect the USB cable (i.e., an automotive A to Mini-B USB cable) to the USB port of the PC or laptop.
- 2 Connect the other end of the cable to the port on the bottom of the device.
- 3 Connect the DB26 female end of the appropriate adapter cable to the INLINE[™] 7.
- 4 Attach the other end of the adapter cable (i.e., the Deutsch connector end) to the vehicle's diagnostic connector.

NOTE:

- The vehicle's diagnostic connector is typically located under the dashboard on the driver's side, or beside the driver's seat. It can also be located in the engine compartment, near the electronic control module (ECM).
- 5 Move on to Step 3: Test the Connection (pg. 44).

Making a Wireless Bluetooth Connection

NOTE:

The INLINE[™] 7 factory default is Bluetooth[®] mode in a Non-Discoverable status. To confirm that the device is in Bluetooth[®] mode, press the Reset button momentarily and the Wireless LED will illuminate blue.

The INLINETM 7 Data Link Adapter is equipped with a Class 1 Bluetooth[®] module with a range of up to 100m when communicating with another Class 1 Bluetooth[®] device. Most PCs that feature Integrated Bluetooth[®] are equipped with a Class 2 Bluetooth[®] module, which limits the useful range to around 10m.

For maximum wireless range, the use of an external, Class 1 USB Bluetooth[®] adapter (sold separately) is recommended.

There are two connection options:

- Connecting via a Class 1, external Bluetooth® adapter (recommended)
- Connecting via Integrated Bluetooth[®]

The procedure for connecting via Integrated Bluetooth[®] is much the same as connecting via an external Bluetooth[®] adapter. To connect using your PC's Integrated Bluetooth[®], jump to Step 5 on page 34 of the following procedure.

Connecting via a Class 1, External Bluetooth Adapter

If you decide to employ an external, Class 1 USB Bluetooth[®] adapter, you will have to perform the following tasks:

- Disable your PCs Integrated Bluetooth[®] device
- · Install the drivers supplied with the external adapter, if required

NOTE:

Depending on the Bluetooth[®] adapter you are using for your wireless connection, you may need to install the necessary Bluetooth[®] drivers. For some adapters the drivers will install automatically.

- Connect the INLINE[™] 7 to a vehicle
- Pair the INLINE[™] 7 with your PC (pg. 34)

To connect via an external Bluetooth adapter:

1 Click on the **Show Hidden Icons** arrow in your PC's System Tray.

The hidden icons are displayed.

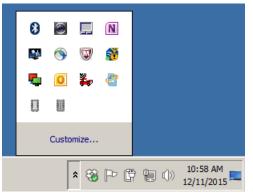


Figure 3.10 Hidden Icons

- 2 Right-click on the Bluetooth[®] icon 👔.
- 3 Click on Turn Adapter Off.
- 4 Plug the Class 1 Bluetooth[®] adapter you have selected into an available USB port on your PC, and wait while Windows[®] installs the required drivers.

NOTE:

Depending on the Bluetooth[®] adapter you are using for your wireless connection, you may need to install the necessary Bluetooth[®] drivers. For some adapters the drivers will install automatically.

The following message is displayed:

Installing device driver software.

When the installation is complete, the following message is displayed:

Your device is ready to use.

NOTE:

Some Bluetooth[®] adapters may require you to configure a Bluetooth[®] environment. If this is necessary, an Initial Bluetooth Configuration Wizard screen will display at the conclusion of the adapter installation process. If this happens, use the CD that came with the adapter.

- 5 Connect the DB26 female end of the appropriate adapter cable to the INLINE[™] 7.
- 6 Attach the other end of the adapter cable (i.e., the Deutsch connector end) to the vehicle's diagnostic connector.

NOTE:

- The vehicle's diagnostic connector is typically located under the dashboard on the driver's side, or beside the driver's seat. It can also be located in the engine compartment, near the electronic control module (ECM).
 - —At this point, the **Power LED** (green) on the INLINE[™] 7 should be illuminated (on).
 - —If the Power LED is not illuminated, turn the vehicle's key to the ON position, leaving the engine off
- 7 Press and hold the **Reset Button** until the Wireless LED begins to flash blue (about 3 seconds).

This will put the INLINE[™] 7 in Discoverable Mode. When the INLINE[™] 7 is Discoverable, a host device can detect, pair, or connect to it. Once a connection is established, the LED turns solid blue. After two minutes, discoverability will time out, and the device will go back to Non-Discoverable status.

NOTE:

See *Device Features* in Chapter 2 of this manual for a detailed discussion of the Reset Button.

8 Move on to *Pair the Device*, next in this manual.

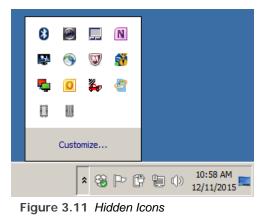
Pair the Device

You use the Windows[®] utility to pair the device (i.e., the INLINE[™] 7 with your PC).

To pair the device:

1 Click on the **Show Hidden Icons** arrow in your PC's System Tray.

The hidden icons are displayed.



- 2 Right-click on the Bluetooth[®] icon \aleph .
- 3 Click Add a Device.

The Add a device screen is displayed.

🗊 Ac	🖇 Add a device					×		
G	Add a device	2						
		to add to this com ntinue to look for ne		splay th	nem here.			
	Oth Blue Oth	tooth		Ĵ	CIL7_600001 Bluetooth Other			
	What if Windows	: doesn't find my de	vice?					
						<u>N</u> e)	kt Ca	ancel

Figure 3.12 Add a Device Screen

4 Select the device displayed that matches the serial number on the back of your INLINE[™] 7 (e.g., **CIL7_xxxxxx**).

Your selection is highlighted.

🗊 Add a device 🗙				
\bigcirc	🔮 Add a device			
	Select a device to add to this computer Windows will continue to look for new devices and display them here.			
	Other Bluetooth Other			
What if Windows doesn't find my device?				
		<u>N</u> ext Cancel		

Figure 3.13 Add a Device Screen Refreshed

5 Click Next.

NOTE:

You may be prompted to enter a pairing code for the device. If you are prompted to enter a PIN or pairing code, enter **NEXIQ** (all uppercase).



Figure 3.14 Device Successfully Added Screen

The following System Tray message is displayed.

Your device is ready to use.

- 6 Click Close.
- 7 Move on to Step 3: Test the Connection on page 44 of this manual.

Making a Wireless Wi-Fi Connection

When using Wi-Fi, the INLINE[™] 7 can be configured for either of the following modes:

- Mini Access Point, the Wi-Fi default (pg. 39)
- Infrastructure (pg. 43)

NOTE:

INLINE[™] 7 cannot be used in Infrastructure mode until it has been configured using the Explorer utility (see *Using the Cummins INLINE[™]* 7 *Explorer* in Chapter 3 of this manual).

Mini Access Point Mode

The easiest and quickest way to connect your INLINE[™] 7 to your PC is Mini Access Point mode. In Mini Access Point mode (also known as Access Point Emulation mode), the PC communicates directly with the INLINE[™] 7. The INLINE[™] 7 emulates the function of an access point, allowing the PC to connect directly to the INLINE[™] 7, as if it were an access point. When the PC is connected to the INLINE[™] 7 in Mini Access Point mode, neither device is connected to the company network.

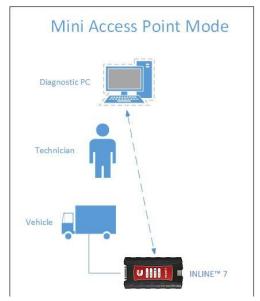


Figure 3.15 Mini Access Mode

To connect the INLINE[™] 7 to your PC using Mini Access Point Mode:

- Connect the DB26 female end of the appropriate adapter cable to the connector on the top of the INLINE[™] 7.
- 2 Attach the other end of the adapter cable (i.e., the Deutsch connector end) to the vehicle's diagnostic connector.

NOTE:

- The vehicle's diagnostic connector is typically located under the dashboard on the driver's side, or beside the driver's seat. It can also be located in the engine compartment, near the electronic control unit (ECU).
 - —At this point, the Power LED (green) on the INLINE[™] 7 should be illuminated (On).
 - —If the Power LED is not illuminated, turn the vehicle's key to the ON position, leaving the engine Off.
- 3 Press and hold the **Reset Button** for about ten (10) seconds to switch from Bluetooth Mode (the factory default) to Mini Access Point Mode.

All of the LEDs on the device will flash momentarily to indicate that the device has been reconfigured. Once the connection is complete, the Wireless LED will display white to indicate Wi-Fi Mini Access Point Mode.

NOTE:

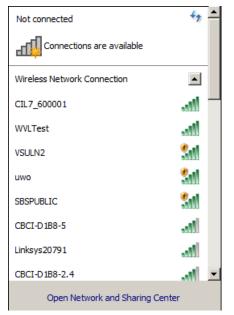
See *Device Features* in Chapter 2 of this manual for a detailed discussion of the Reset Button.

4 Navigate to the System Tray on your PC.



5 Click on the **Network** icon 📶 in the System Tray.

40 Cummins INLINE[™] 7 Data Link Adapter Installation and Setup Manual



The Network Selection screen is displayed.

Figure 3.17 Network Selection Screen

6 Select CIL7_xxxxxx from the list (where xxxxxx is the serial number of the INLINE[™] 7).

NOTE:

If CIL7_xxxxx is not displayed, make sure you are connected to the vehicle. Also, make sure you are within range (i.e., within 100 ft.). You may need to move your PC closer to the vehicle.

CIL7_xxxxxx is highlighted.



Figure 3.18 Selection Highlighted

7 Click Connect.

1	Connect to a Netw	/ork		×	
	Type the network security key				
	Security key:	Hide characters			
			ОК	Cancel	

Figure 3.19

8 Enter the Security Key located on the label on the back of the device.

The device is now connected and ready to use.

9 Move on to Step 3: Test the Connection, on page 44 of this manual.

Infrastructure Mode

In Infrastructure mode, your PC communicates with your company's computer network through a Wireless Access Point (not included), which acts as a bridge between the wireless network and the wired network. In this mode, the INLINE[™] 7 is configured to communicate with the same access point. All communication between the PC and the INLINE[™] 7 passes through the access point.

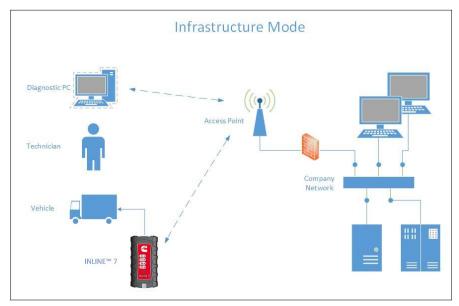


Figure 3.20 Infrastructure Mode



The settings for connecting to your company network may differ from one installation to another. To ensure network security, your Information Technology (IT) administrator will need to oversee the installation and specify the appropriate configuration parameters. Your IT administrator should be able to properly configure the INLINE[™] 7 for infrastructure mode, using the Cummins INLINE[™] 7 Explorer utility (see *Switching Modes: Mini Access Point and Infrastructure* on page 51 of this manual).

Step 3: Test the Connection

You use the **Cummins Communication Validation Tool** to test the connection between the INLINETM 7 and the vehicle. At startup, the Communication Validation Tool checks for any INLINETM 7 drivers installed on the PC.

To test the connection between the INLINE[™] 7 and the vehicle:

1 Click Start and then select All Programs > Cummins > INLINE 7 > CumminsValidationTool.

The application is started and the **Communication Validation Tool** screen is displayed.

Cummins Communication	Validation Tool v1.0.0.4		_ _ X
Driver:		•	Start Test
Device:		_	Settings
Protocol:		•	Component Info
		Firmware Version:	n/a
Vehicle Info		Cable ID:	n/a
Vehicle Make VIN ECU Make ECU Model ECU Setal Number ECU Software Version Modules Detected	N/A N/A N/A N/A N/A N/A		
Bus Messages			•
			*
Not Connected			Close

Figure 3.21 Communication Validation Tool: Status Not Connected

- 2 Use the button in the Driver box to select the appropriate driver (i.e., Cummins INLINE 7 Data Link Adapter CIL7R32).
- 3 Use the button in the **Device** box to select the appropriate device (for example, Cummins Data Link Adapter using Bluetooth).
 - —The **Device** box lists all the devices supported by the INLINE[™] 7 drivers installed on the PC.

44 Cummins INLINE[™] 7 Data Link Adapter Installation and Setup Manual

- 4 Use the button in the **Protocol** box to select the appropriate protocol (e.g., J1939, CAN, ISO 15765, J1708).
 - The Protocol box lists only the protocols supported by the device selected in the Device box.
- 5 Press the Start Test button.

The **Communication Validation Tool** screen is refreshed and the Connection Indicator button (located in the bottom left corner of the display) changes from Not Connected (red) to Connected (green).

🗲 Cummi	ns Communication	Validation Tool v1.0.0.4		_ 🗆 🗙
Driver:	Cummins INLINE 7	Data Link Adapter - CIL7R32	Ŧ	Stop Test
Device:	Cummins Data Link	Adapter using Bluetooth	Y	Settings
Protocol:	SAE J1939 Protocol		v	Component Info
			Firmware Version:	0.015005
Vehicle I	Info		Cable ID:	493048
Vehicle Ma VIN ECU Make ECU Mode ECU Serial ECU Softw	e 4	Unknown 00000000000000000 N/A N/A N/A 04993120		
0 - Engine				
15 - Hetar	rder - Engine			
Bus Mes	ssages			•
@00:27:2 @00:27:2 @00:27:2 @00:27:2	16.7575: 1 F2FE0006 16.7620: 1 B4FD0006 16.7635: 1 04F00003 16.7720: 1 DFFE0006 16.7720: 1 DFFE0006 16.7735: 1 E0FE0006	Rx d 8 00 FF 00 00 00 00 00 00 00 FF FF Rx d 8 00 FF 20 1D FF EF FF FF FF FF Rx d 8 00 FF 0E 7D 95 00 00 00 00 7D Fx d 8 00 FF 0F 7D 7D 85 00 00 00 00 7D Rx d 8 00 FF 6F 7D 7D 7D 7D F0 FF FF FF Rx d 8 00 FF FF FE FF FF Rx d 8 00 FF FF 00 00 00 00 00 00 00 00 00		<u>*</u>
Conne	ected			Close

Figure 3.22 Communication Validation Tool: Status Connected

The **Vehicle Info** window displays information about the vehicle to which you are connected (depending on the protocol selected).

The **Modules Detected** window in the middle portion of the screen displays a list of all systems seen on the bus. It is used for J1708 and J1939 only. For all other protocols this window will be unavailable (i.e., NOT USED).

The **Bus Messages** window at the bottom of the screen displays data received from the vehicle bus.

If the Connection Indicator button is red (i.e., **Not Connected**), do *one* of the following:

-For a wireless connection:

- In the **Device** list, make sure that the appropriate device is selected, for example:
 - Cummins Data Link Adapter using Bluetooth

or

- Cummins Data Link Adapter using WiFi
- In the **Protoco**l list, make sure that the appropriate protocol is selected, for example J1939.
- Check to ensure that the connections between the INLINE[™] 7 and the vehicle are secure (i.e., the Diagnostic Connector).
- Check to make certain that the Power LED on the INLINE[™] 7 is illuminated.

—For a wired connection using a USB cable:

- In the **Device** list, make sure that the appropriate device is selected, for example **Cummins Data Link Adapter using USB**.
- In the **Protocol** list, make sure the appropriate protocol is selected, for example J1939.
- Check to ensure that the connections between the INLINE[™] 7 and the PC are secure (i.e., the USB cable).
- Check the connections between the INLINE[™] 7 and the vehicle (i.e., the Diagnostic Connector).
- Check to make certain that the Power LED on the INLINE[™] 7 is illuminated.

NOTE:



For additional information, refer to "Connect the INLINE[™] 7 to a Vehicle" on page 30 of this manual.

6 Click on the Component Info button.

The Component Information window is displayed.

Component Informat	ion X
Engine	
Component	N/A
Make:	N/A
Model:	N/A
Brakes	
Component	N/A
Make:	N/A
Model:	N/A

Figure 3.23 Component Information Window.

NOTE:

- Component Information for Engines and Brakes is available only during a J1708 connection.
- 7 When you have finished viewing the information, click the **Close** button in the upper right corner of the window.
- 8 Click Stop Test to end the test, or select another device to test.

Using the Cummins INLINE[™] 7 Explorer Utility

The Cummins INLINE[™] 7 Explorer utility opened automatically when you installed the INLINE[™] 7 drivers and utilities (see Figure 3.9, on page 29).

To re-open the Cummins INLINE[™] 7 Explorer once it has been closed, click on the **Show Hidden Icons** arrow in your PC's System Tray.



Figure 3.24 Hidden Icons

Then, double-click on the INLINE[™] 7 icon 7 🚺.



You can also access the Cummins INLINE[™] 2 Explorer from your PC's Start menu. Click **Start** and then select **All Programs → Cummins → INLINE 7 → INLINE 7 Explorer**.

Eurominias INLINE 76
Ele Tools Help

The Cummins INLINE™ 7 Explorer opens.

Figure 3.25 Cummins INLINE™ 7 Explorer

The following menu options are provided:

- File (pg. 52)
- Tools (pg. 53)
- Help (pg. 56)

Each menu option includes a number of features. Each of the menu options are discussed in the following sub-sections.

When you click on a INLINE[™] 7 in the list in the left pane, the Configuration tab is displayed (Figure 3.26).

The Configuration Tab

The **Configuration** tab provides the following information:

- Device:
 - Name
 - MAC Address
- Wireless Settings
- Internet Protocol (TCP/IP) Settings

This information can be useful when troubleshooting network connection problems. You also use the Configuration tab when switching between the two wireless Connection Types (i.e., Wireless and Bluetooth), or when setting up a Wi-Fi connection in Infrastructure Mode.

To access the Configuration tab:

1 Click on a CIL7_xxxxxx in the list in the left pane of the Explorer.

Cummins INLINE 7 Explorer v2.1.0.14			
<u>Eile T</u> ools <u>H</u> elp			
	Nonfiguration		
□ 🧐 INLINE 7s ■ 🐌 CIL7_600001	Device Name:	CIL7_600001	
Serial Number: 600001 Firmware Version: 00.015005	MAC Address:	00:06:C6:48:4B:55	
Connection Type: Wireless MAC Address: 00:06:C6:48:4B:55	Wireless Settings		
 IP Address: 192.168.124.100 Subnet Mask: 255.255.255.0 	Network Name:	CIL7_600001	
Default Gateway: 0.0.0.0 SSID: CIL7_600001	Mode:	Mini Access Point (peer-to-peer)	•
 Operating Mode: Mini Access Point (peerto-peer) Frequency: 2.4 Ghz 802.11 b/g/n 	Frequency:	2.4 Ghz 802.11 b/g/n	<u>v</u>
 Network Authentication: WPA2-PSK Cable ID: 00493048 [Model_6_9_Pin_Y] 	Security:	WPA/WPA2	Y
	Password:		
	Key Index:	1 -	
Connection Type	Internet Protocol (TCP/IF		
Wireless	Obtain an IP address		
Vireiess	C Specify an IP address	s:	
Bluetooth	IP Address:	192 . 168 . 124 . 100	
	Subnet Mask:	255 . 255 . 255 . 0	
This is your selected diagnostic device.	Default Gateway:	0.0.0.0	
			Apply
Ready			

Figure 3.26 Configuration Tab

⁵⁰ Cummins INLINE™ 7 Data Link Adapter Installation and Setup Manual

Switching Modes: Mini Access Point and Infrastructure

The INLINE[™] 7 provides several ways to switch modes. From the INLINE 7 Explorer Configuration tab, you can use the **Mode** drop-down menu under Wireless Settings.

Cummins INLINE 7 Explorer v2.1.0.14				
<u>File Tools H</u> elp				
1	🗞 Configuration			
Serial Number: 600001	Device Name:	CIL7_600001		
Firmware Version: 00.015005	MAC Address:	00:06:C6:48:4B:55		
 Connection Type: Wireless MAC Address: 00:06:C6:48:4B:55 	Wireless Settings			
 IP Address: 192.168.124.100 Subnet Mask: 255.255.255.0 	Network Name:	CIL7_600001		
Default Gateway: 0.0.0.0 SSID: CIL7_600001	Mode:	Mini Access Point (peerto-peer)		
Operating Mode: Mini Access Point (peerto-peer) Frequency: 2.4 Ghz 802.11 b/g/n Network Authentication: WPA2-PSK	Frequency:	Infrastructure		
Cable ID: 00493048 [Model_6_9_Pin_Y]	Security:	WPA/WPA2		
	Password:	•••••		
	Key Index:	1		
	Internet Protocol (TCP/IP)			
Connection Type	C Obtain an IP address aut	omatically		
🤝 Wireless	C Specify an IP address:			
Bluetooth	IP Address:	192 . 168 . 124 . 100		
This is your selected diagnostic device.	Subnet Mask:	255 . 255 . 255 . 0		
Select	Default Gateway:	0.0.0.0		
		Apply		
Ready				

Figure 3.27 Wireless Settings: Mode Drop-down Menu

Once, you have selected **Infrastructure**, the Internet Protocol (TCP/IP) portion of the screen is available to you to enter the required settings. There are two options:

- Obtain an IP address automatically
- · Specify an IP address

NOTE:

The settings for connecting to your company network may differ from one installation to another. To ensure network security, your Information Technology (IT) administrator will need to oversee the installation and specify the appropriate configuration parameters.

You can also use the Reset Button to switch from Infrastructure Mode back to Mini Access Point Mode (the Wi-Fi default). Just push and hold the button until all the lights on the front of the INLINE[™] 7 flash (about 5 seconds).

The File Menu

The File menu has one feature, Exit. You use the Exit feature to close the Cummins INLINE[™] 7 Explorer.

To exit the Cummins INLINE[™] 7 Explorer:

1 Select File from the Cummins INLINE[™] 7 Explorer menu bar.

Cummins INLINE 7 Explorer v2.1.0.14			_ 🗆 🗙
File Tools Help			
Exit	Nonfiguration		
🖃 🥞 INLINE 7s	Device		
CIL7_600001	Name:	CIL7_600001	
Senal Number: 600001 Firmware Version: 00.015005	MAC Address:	00:06:C6:48:4B:55	
Connection Type: Wireless MAC Address: 00:06:C6:48:4B:55	Wireless Settings		
IP Address: 192.168.124.100	Network Name:	CIL7_600001	
Subnet Mask: 255.255.250 Default Gateway: 0.0.0.0		-	
SSID: CIL7_600001	Mode:	Mini Access Point (peer-to-peer)	-
 Operating Mode: Mini Access Point (peer-to-peer) Frequency: 2.4 Ghz 802.11 b/q/n 	Frequency:	2.4 Ghz 802.11 b/g/n	~
Network Authentication: WPA2-PSK			
Cable ID: 00493048 [Model_6_9_Pin_Y]	Security:	WPA/WPA2	
	Password:		
	Key Index:	1 +	
I	Internet Protocol (TCF	9/IP)	
Connection Type	Obtain an IP address	ess automatically	
🤶 Wireless	C Specify an IP addr	ess;	
Bluetooth	IP Address:	192 . 168 . 124 . 100	
· · ·			
This is your selected diagnostic device.	Subnet Mask:	255 . 255 . 255 . 0	
	Default Gateway:	0.0.0.0	
Select			
			Apply
Ready			.::

Figure 3.28 Exit Selected

2 Select Exit.

The Cummins INLINE[™] 7 Explorer closes.

The Tools Menu

The Tools menu provides the following features:

- Ping
- Options

Ping

The Ping feature uses the PING protocol to check for the presence of a device on the network.

To check for a device:

- 1 Select **Tools** from the Cummins INLINE[™] 7 Explorer menu bar.
- 2 Select Ping.

📜 Ping		
Enter the IP addre	ess of the device you would like to ping	
IP Address:		
	Start	Stop
	- Charles	///

Figure 3.29 Ping Dialog Box

- 3 Enter the IP address of the device you want to locate (e.g., 192.168.123.107).
- 4 Click Start.

The Cummins INLINE[™] 7 Explorer searches for the device and, if found, displays the reply.

- 5 Click Stop.
- 6 Click the **Close** button on the dialog box.

Options

The Options feature provides the following features, which are presented as check boxes:

- Start INLINE 7 Explorer when Windows starts (pg. 54)
- Show New INLINE 7 Notification (pg. 55)

Start INLINE7 Explorer when Windows Starts

You use this feature to manage when the Cummins INLINE[™] 7 Explorer opens.

The default is to not open the Cummins INLINE[™] 7 Explorer when Windows starts.

Options	×
Start INLINE 7 Explorer when Window	vs starts
Show New INLINE 7 Notification	
	OK Cancel Apply

Figure 3.30 Options Menu

To change the default, click on the check box to add the check mark. Then click **OK**.

Show New INLINE7 Notification

You use this feature to manage when to display the New INLINE7 notification message box.

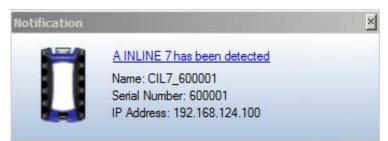


Figure 3.31 Notification Box

The default is to display the notification message box whenever a new INLINE[™] 7 is detected.

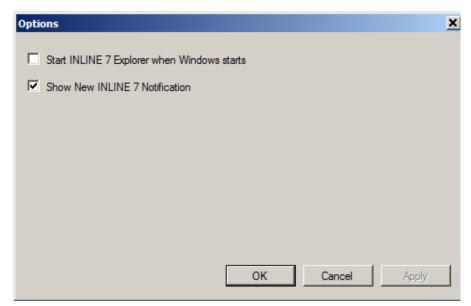


Figure 3.32 Options Menu

To change the default, click the box to remove the check mark. Then click **OK**.

The Help Menu

The Help menu has one feature, About. You use the About feature to display information about the Cummins INLINE[™] 7 Explorer.

To access the Help menu:

- 1 Select **Help** from the Cummins INLINE[™] 7 Explorer menu bar.
- 2 Select About.



Figure 3.33 About Cummins INLINE™ 7 Explorer

3 When you have finished reviewing the information, click **OK** to close the dialog box.