

TecomC4: Adding a Challenger V8

Introduction

This document shows you how to configure TecomC4 to connect to a Challenger V8.

The steps are:

1. Set up the Challenger V8 for communication with TecomC4
2. Install the Challenger V8 driver in TecomC4
3. Add the Challenger V8 as a device in TecomC4 using the Add Device wizard
4. Start communication with the Challenger V8 from TecomC4

Set up Challenger V8

Configure the following communications settings on the Challenger V8 (using TitanCT or RAS):

Table 1: Challenger V8 communications settings

Challenger V8 field	Setting
Extended Protocol Configuration (menu 19 > 47)	
Extended Event Protocol	Set to Yes
TCP IP UDP/IP Support	Set to Yes
Ethernet	Set to Enabled
IP Address	Set as specified by the site's network administrator
Gateway Address	Set as specified by the site's network administrator (e.g. 8 for 255.255.255.0)
Host Bits	Set to the IP address of the TecomC4 server
Management Sw #1 IP	Set as required (the default is 3001)
Communications (menu 19 > 9)	
Computer Address	Set as required (the default is 0, this must be changed)
Security Password (menu 19 > 29)	

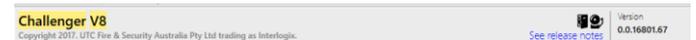
Challenger V8 field	Setting
Computer password	Set as required (the default is 0000000000)
Encryption (Can only be programmed via TitanCT)	
Encryption Key	Default all zeros. When non-zero, Twofish128 encryption is applied using the key. Note: TecomC4 will only allow a key that is using up to 16 alpha numeric characters. When entering the equivalent key into TitanCT, one must convert this key into its ASCII decimal representation.

Install Challenger V8 driver

To install the Challenger V8 driver from online, follow these steps:

1. Click the **Navigation** button to open the navigation menu. Select **Settings > Drivers** to open the Drivers panel.
2. Click the *Install driver from file*  button, a file browse window should pop up.
3. Navigate to where you have stored the Challenger_Panel_v08.c4driver file, select it and press the *Open* button.

When installed, the Challenger V8 driver will appear in the list on the *Installed drivers* tab:

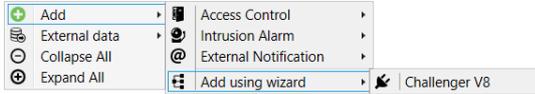


Note: You only need to install the Challenger V8 driver once.

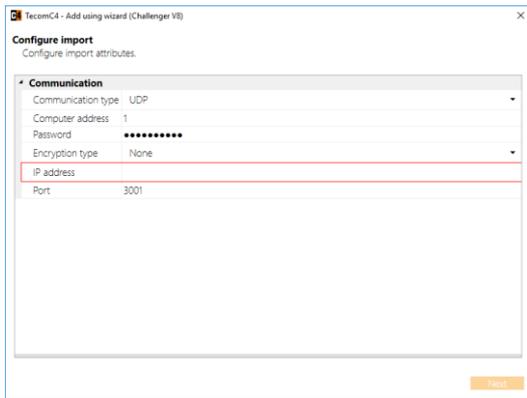
Add Challenger V8 device in TecomC4

To add a Challenger V8 as a device in TecomC4:

1. Click the **Navigation** button to open the navigation menu. Select **Administration > Devices** to open the Devices panel.
2. Right-click the root Installation node to open its context menu. Select the **Add > Add using wizard > Challenger V8** menu item.



3. The Add Device wizard will appear in a new window:



Enter the required parameters in the wizard. The parameters are:

- **Communication type** – IP communication type (must be UDP).
- **Encryption type** – Encryption type for secure communication, as defined on the Challenger V8 (must be None or Twofish128).
- **Encryption key** – Encryption key defined on the Challenger V8 (this field appears if the encryption type is set to Twofish128).
- **Computer Address** – The account code of the Challenger V8.
- **Password** – Computer password defined on the Challenger V8 (the default is 0000000000).
- **IP Address** – IP address of the Challenger V8.
- **Port** – Port for communicating with the Challenger V8 (the default is 3001).

When you have entered the parameters, click the **Next** button.

4. The wizard will display a summary of the number of devices that will be added. Confirm the changes by clicking the **Next** button.
5. The wizard will show a summary of the import. Click the **Finish** button to complete the import.

TecomC4 will load the configuration from the Challenger V8, including all named devices such as inputs and areas.

Note: It is highly recommended that you use the Add Device wizard to add a Challenger V8, instead of adding manually or importing from a file, so that any changes to the Challenger V8 configuration can be loaded into TecomC4 by using the **Load configuration from device**  option.

Start communication

You can now start communication with the Challenger V8 in order to receive live status updates from its devices and to control devices remotely. Right-click on the Challenger V8 bus controller  to open its context menu and select **Commands > Start**.

Regulatory information

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