

ISL95338

Software Installation Guide

Battery and Optical

ISL95338

Software Installation Guide

UG142
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1. Introduction

The ISL95338 Control Tool Software communicates with the ISL95338 controller through USB to the on-board SMBus interface. Use the Control Tool Software Graphical User Interface (GUI) to access the ISL95338 SMBus registers.

2. Getting Started

This section describes how to install the Control Tool Software and the USB driver.

2.1 Required Hardware

- ISL95338 evaluation board
- USB 2.0 A/B cable

2.2 Required Software

The CD and zip files include the ISL95338 Control Tool Software, National Instruments Runtime Engine, and USB interface module driver.

2.3 Installing the Software

The ISL95338 Control Tool Software and the National Instruments Runtime Engine are installed automatically from the installation wizard.

Note: We recommend that you close all other applications before running the installation wizard, and restart the computer when the installation is complete.

- (1) Extract the .zip file to your local drive. You should not extract the files to a network drive because Windows security policy may prohibit the INF file from being recognized on the network.
- (2) Run autorun.exe.

The installation menu appears.

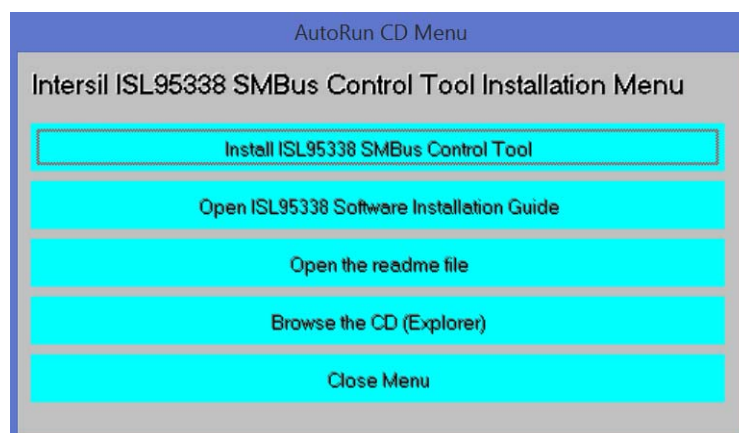


Figure 1. Installation Menu

- (3) Click **Install ISL95338 SMBus Control Tool**.
- (4) Click **Next**.
- (5) To continue, accept the two End User License Agreements.
- (6) When the installation is complete, click **Close Menu**.

2.4 Installing the USB Driver

Windows security requires the driver to have a digitally signed certificate to establish USB-SMBus communication. This section describes how to install the driver that supports Windows 7, Windows 8, and Windows 10.

Note: If you have installed the driver or certificate previously, you can skip this section.

- (1) On your local drive, browse to the files you extracted from the .zip file.

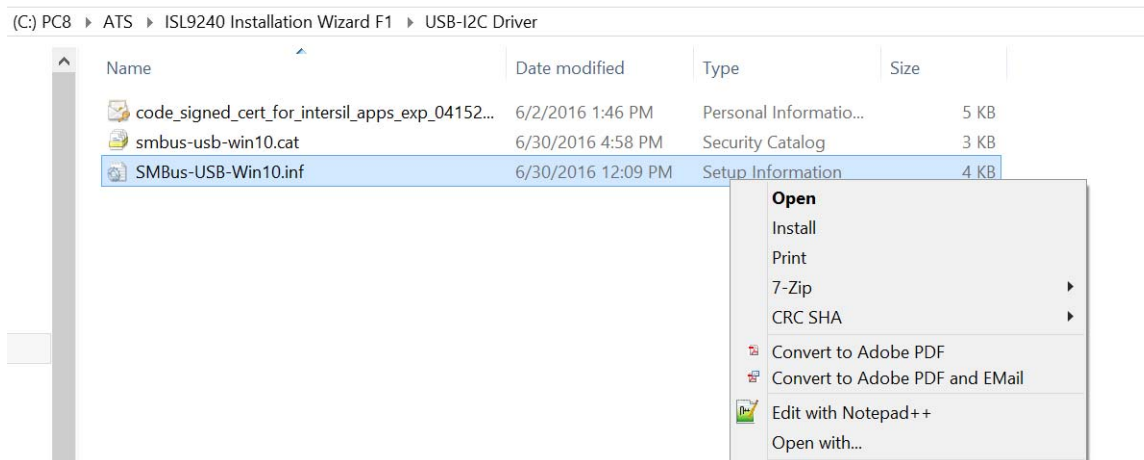


Figure 2. USB-I2C Driver Directory

- (2) Open the “USB-I2C Driver” directory.
- (3) Right-click SMBus-USB-Win10.inf and select **Install**.

3. Using the Software

To use the evaluation system, the ISL95338 Control Tool Software must be installed. Do not connect the evaluation board to the USB port until installation is complete. See [“Installing the Software” on page 2](#).

Set up the ISL95338 evaluation board before running the ISL95338 Control Tool Software. Refer to the [ISL95338 Evaluation Board User's Manual](#) for setup procedures.

3.1 Establishing the USB Connection

Connect a USB cable from the USB port on the computer to the ISL95338 evaluation board.

3.2 Starting the ISL95338 Control Tool Software

- (1) Select Start > All Programs > Renesas > ISL95338 SMBus Tool.

The ISL95338 Control Tool Software GUI appears.

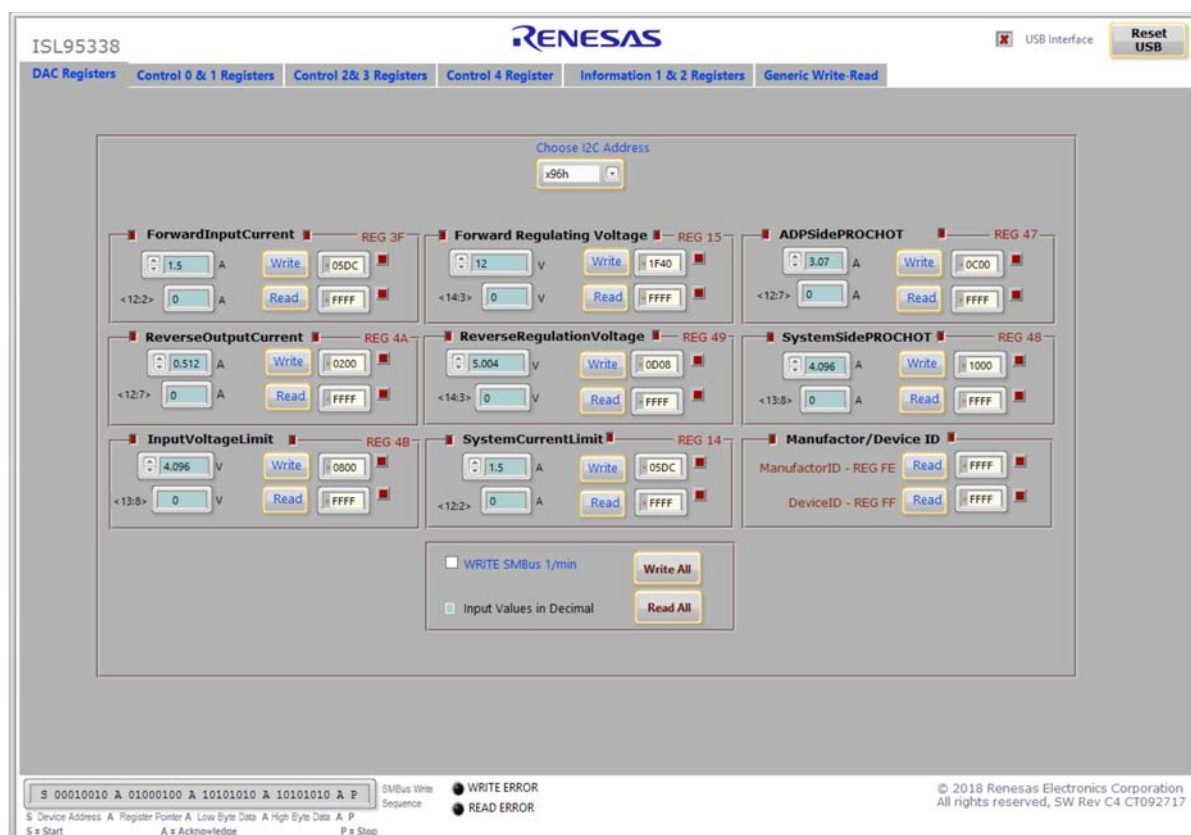


Figure 3. ISL95338 Control Tool Software Window

- (2) Check the status of the USB connection. At the top of the ISL95338 Control Tool Software window, the USB Interface label shows the status of the USB connection.

Green check mark = connection OK

Red X = no connection

If the USB Interface label shows a red X (no connection), see [“Troubleshooting” on page 5](#).

3.3 Troubleshooting

If the USB Interface label shows a red X (no connection), use the following information to troubleshoot.

- Check the USB cable connection from the computer to the evaluation board.
- Try different sequences. Plug in the evaluation board first or start the ISL95338 Control Tool Software first.
- Ensure that the USB driver is properly installed. If the drivers are not properly installed, the evaluation board will not be recognized. The driver files are in the “USB-I2C Driver” directory. See [“Installing the USB Driver” on page 3](#).

4. Revision History

Rev.	Date	Description
0.00	Oct 3, 2017	Initial release

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