

Certifier 10G and 40G User Training

**Lesson 1:
J-Reporter software installation
and instrument updates**



Session Goals

- At the end of this training session the participant will be able to:
 - Register their Certifier10G/40G with Viavi
 - Install J-Reporter
 - Check the software level of their Certifier10G/40G
 - Update Certifier10G/40G software

NOTE: “Certifier” is used during this presentation to refer to both the Certifier40G and the Certifier10G

Some Initial Notes

- Certifier ships with a USB stick that includes J-Reporter and the user manuals
- Registering your unit is required for future software updates
 - Also ensures you are notified when updates are available
- Example in this training is for installing J-Reporter from the resource center – same steps apply if installing from provided USB stick
- To ensure you are installing the latest version of software it is recommended to get the software from the resource center.
- The current Certifier device software is included in J-Reporter

Registering your unit

- Goto: certifier.viavisolutions.com
 - Click on the “Register your products here” link
 - Complete the form

Validator/Certifier40G Resource Center

Validator/Certifier40G Resource Center Login

If you would like to access your Online Account, enter your email address and password (Product Serial Number), then click the “Login” button below.

If you have not done so, you must first register your product. You can [register your products here.](#)

← Click here for first time registration

* Indicates required field

| | |
|--|--------------------------|
| E-mail Address:* | <input type="text"/> |
| Password:*(your Product serial number) | <input type="password"/> |
| <input type="button" value="Sign In"/> | |

Registering your unit

Complete and submit the online form shown below



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Product Registration

* Indicates required field
Please provide business information below.

| | |
|----------------------|--|
| First Name:* | <input type="text"/> |
| Last Name:* | <input type="text"/> |
| Job Title: | <input type="text"/> |
| Company Name:* | <input type="text"/> |
| E-mail Address:* | <input type="text"/> |
| Business Address 1:* | <input type="text"/> |
| Business Address 2: | <input type="text"/> |
| City:* | <input type="text"/> |
| State/Province: | <input type="text"/> |
| Zip/Postal Code:* | <input type="text"/> |
| Country:* | <input type="text" value="Select Country"/> |
| Phone:* | <input type="text"/> Ext: <input type="text"/> |
| Fax: | <input type="text"/> |
| Product Category:* | <input type="text" value="Please Select..."/> |
| Product Name:* | <input type="text" value="Please Select..."/> |

Log into Resource Center, download J-Reporter (incl. device sw) and Installation Guide

Validator/Certifier40G Resource Center Login

If you would like to access your Online Account, enter your email address and password (Product Serial Number), then click the "Login" button below.

If you have not done so, you must first register your products. You can [register your products here](#).

* Indicates required field

| | | |
|--|--|---------------------------|
| E-mail Address:* | <input type="text" value="*****"/> | Email address is invalid. |
| Password:*(your Product serial number) | <input type="password" value="*****"/> | |
| <input type="button" value="Sign In"/> | | |

Release Notes

[Certifier40G_v7.2_Release_Notes.pdf](#)

Old Release Notes

[Certifier40G_v7.1.0_Customer_Release_Notes.pdf](#)
[Certifier40G_v6.4.0_Customer_Release_Notes.pdf](#)
[Certifier40G_v5.1.33_Customer_Release_Notes.pdf](#)
[Plan-Um_Release_Notes_2010_12_01.pdf](#)
[Validator_Release_Notes_2010_12_01.pdf](#)
[ValidatorPro_Release_Notes_2011_09_21.pdf](#)

Certifier40G

NOTE: As of March 2014 Certifier40G device software is provided within J-Reporter. Please read the note below for details.

Important Note - please read first!

[J-Reporter Installation Guide](#)

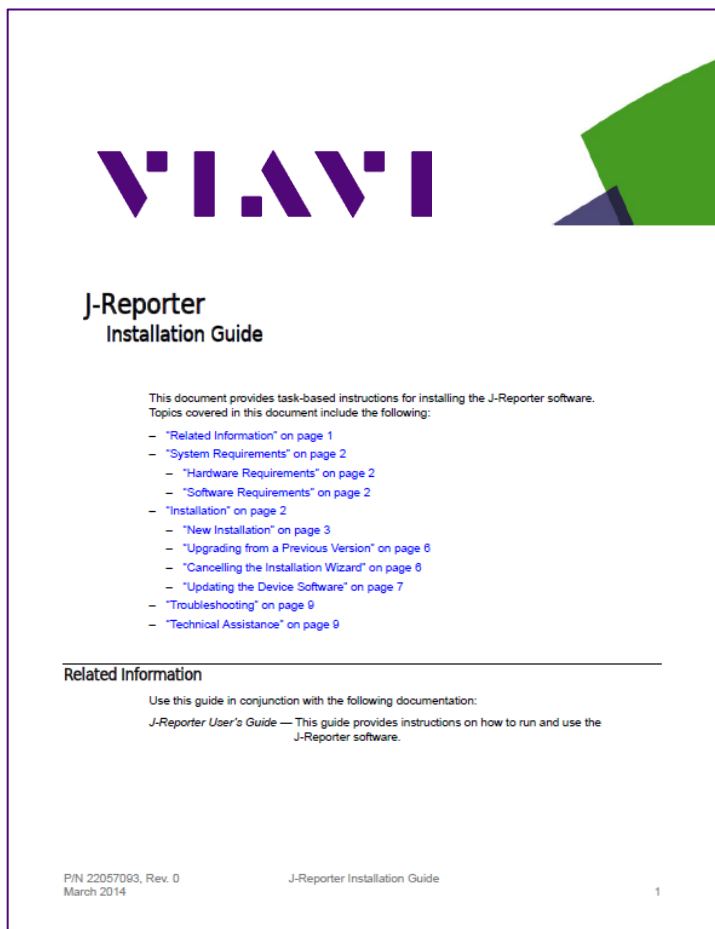
[J-Reporter zip folder - Includes Certifier40G Firmware v7.2](#)

[v5.1.33 Instructions](#)

[v5.1.33 Firmware](#)



Install and Run J-Reporter



J-Reporter - sample of J-Reporter

File Import Export Settings Tools Help Languages

Cable Label

| | Test Type | Device Type | Cable Label | Overall Result | Limit Type | Overall Length (m) | NEXT Margin (dB) |
|-----|-----------|--------------|-------------|----------------|---------------------|--------------------|------------------|
| ▶ 1 | Copper | Certifier40G | A-1 | ✓ | TIA - Cat 6 Channel | 8 | 5.1 |
| 2 | Copper | Certifier40G | A-2 | ✓ | TIA - Cat 6 Channel | 8 | 5.1 |
| 3 | Copper | Certifier40G | A-3 | ✓ | TIA - Cat 6 Channel | 8 | 5.2 |
| 4 | Copper | Certifier40G | A-4 | ✓ | TIA - Cat 6 Channel | 8 | 5.2 |
| 5 | Copper | Certifier40G | A-5 | ✓ | TIA - Cat 6 Channel | 8 | 5.5 |
| 6 | Copper | Certifier40G | A-6 | ✓ | TIA - Cat 6 Channel | 8 | 5.6 |
| 7 | Copper | Certifier40G | A-7 | ✓ | TIA - Cat 6 Channel | 8 | 5.6 |
| 8 | Copper | Certifier40G | A-8 | ✓ | TIA - Cat 6 Channel | 8 | 5.5 |
| 9 | Copper | Certifier40G | A-9 | ✓ | TIA - Cat 6 Channel | 8 | 5.5 |
| 10 | Copper | Certifier40G | A-10 | ✓ | TIA - Cat 6 Channel | 8 | 5.6 |
| 11 | Copper | Certifier40G | A-11 | ✓ | TIA - Cat 6 Channel | 8 | 5.6 |

Summary

Local Ser. No. jw20100539
 Remote Ser. No. jw20100540
 Cable Manufacturer Generic UTP
 Cable Name CAT 6A UTP
 Cable Type UTP
 Connector Manufacturer Shielded Connector
 Connector Name STP Mod Jack 6
 Connector Type Shielded
 Limit TIA - Cat 6 Channel

A-1

Overall Result

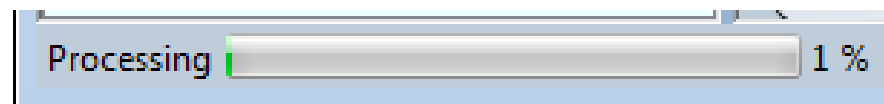
| Measurement | Value/Margin |
|---------------------|--------------|
| Length (m) | 8 |
| Delay (ns) | 40.0 |
| Cable NVP (%) | 70 |
| Resistance (Ohms) | 2.8 |
| Insertion Loss (dB) | 2.5 |
| Return Loss (dB) | 4.4 |
| NEXT (dB) | 5.1 |
| PSNEXT (dB) | 6.9 |
| ACRF (dB) | 18.6 |
| PSACRF (dB) | 20.6 |

Total Records: 18 Selected Record No.: 1

Disconnected

Update Certifier Device Software Using J-Reporter

1. Connect USB drive to computer
 - a. Use the supplied drive or any USB drive between 1-4GB
 - b. If USB drive is not recognized by PC or Certifier, format the drive.
2. Copy the device software to the USB drive
 - a. Open J-Reporter on your PC
 - b. Go to Tools menu
 - c. Click on “Update Device Software”
 - d. Click on the USB Flash drive where you would like to install the software
 - e. Click “Export”
3. Once firmware download is complete, you are ready to update the firmware on your Certifier



Update Certifier Device Firmware Using J-Reporter

1. Prior to updating the firmware on your Certifier, ensure that the unit is plugged in using the AC power adapters.
2. Back up all of your test results prior to starting the firmware update
3. Turn on your LOCAL and REMOTE units
4. Insert the USB Flash drive into the LOCAL unit of your Certifier
5. Once the USB Flash drive has been recognized by the Certifier, a screen will appear listing “Upgrade Firmware”
6. Select Upgrade Firmware
7. When the process is complete and the Certifier has been updated, the unit will automatically reboot.
8. Leave the USB drive in the unit until it reboots.
9. Repeat for Remote unit of your Certifier



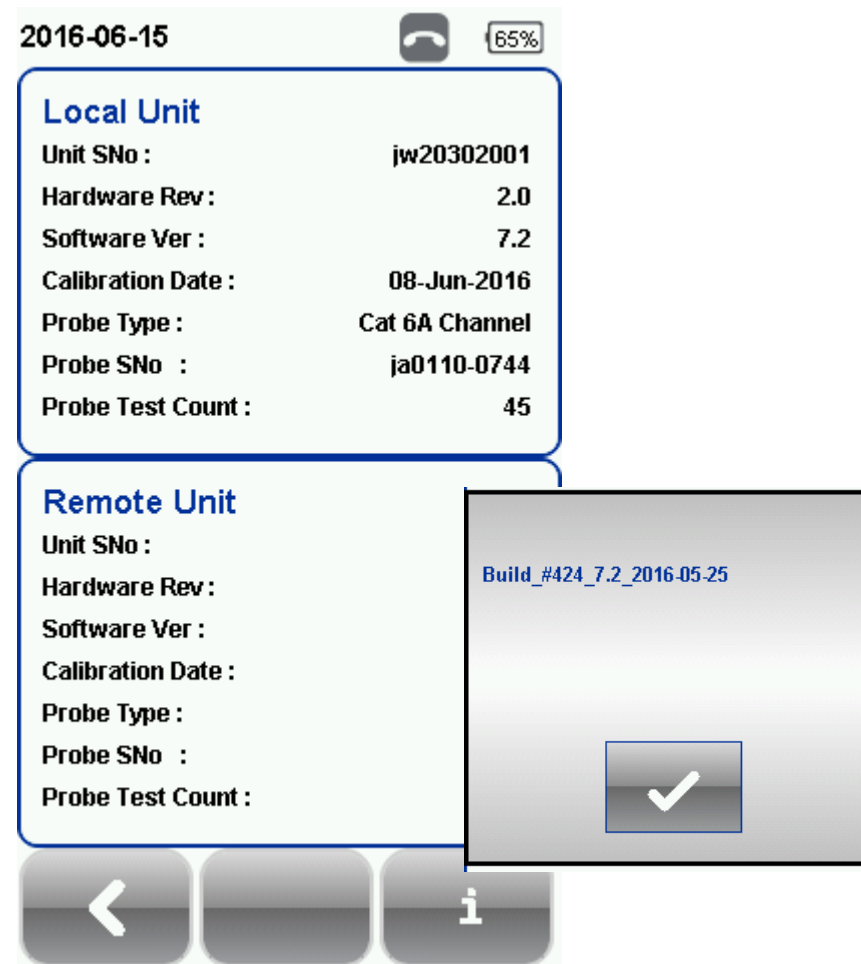
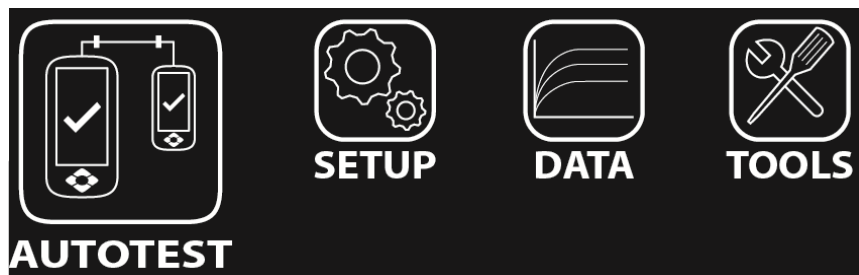
Update process takes approximately 7 minutes per device. Please be patient.

Update Certifier Device Firmware Using J-Reporter

To check the software version installed on the unit:

1. Press the SETUP button
2. Select "System Settings"
3. Select "Settings 2"
4. Select "Device Info"
5. Select the "i" in the lower right of the screen for SW build number and date.

Software version will be displayed on the screen



WILSON