



Seeker Firmware Version 02.02 & Seeker MCA Firmware Version 02.01

Integration of New Seeker Equipment into Systems Using Older Seeker Equipment

Overview

These upgrade instructions are provided as a walkthrough to assist in upgrading the software and firmware of your existing Seeker System to provide compatibility with currently shipping units. The hardware and software that is affected includes the following products;

- Seeker Setup Software with a Version Number below 3.25
- Seeker Leakage Detector with a Firmware Version Number below 02.02
- Seeker MCA with a Firmware Version Number below 02.01

What's Included

The Software CD that is included with currently shipping units contains the following;

- Seeker Setup Software Version 3.25
- Seeker Firmware Version 02.02
- Seeker MCA Firmware Version 02.01

Seeker System Upgrade Considerations

If you are currently using the Seeker or Seeker MCA within your system, take the following into consideration if you are not able to update all of your equipment at the same time;

- You should install the new Seeker Setup Software Version 3.25 on a different PC or Laptop Computer than the one currently being used to configure your Seeker equipment.
- This will allow you to continue to configure older equipment with your old Seeker Setup Installation as well configure your new equipment with the new Seeker Setup Installation.
- Use the Upgrade Procedure shown in the following section to upgrade the firmware for your older Seeker & Seeker MCA equipment.
- Once you have upgraded all of your old equipment, you can un-install the older version of Seeker Setup and start using the new Seeker Setup Software full-time.

CAUTION: Seeker Setup Software Version 3.25 is able to upgrade the firmware on Seeker & Seeker MCA Units with Firmware Versions below 02.01, but is not able to send configuration settings to them. Also, the existing configuration settings of your Seeker & Seeker MCA will not be retained when upgrading to the new firmware from the previous versions of the firmware.

For Additional Help Contact
Trilithic Applications Engineering
1-800-344-2412 or 317-895-3600
support@trilithic.com or
www.trilithic.com

Seeker Firmware Version 02.02 & Seeker MCA Firmware
Version 02.01 Upgrade Instructions
P/N 0010266021 – Rev 9/08
1 of 3



Upgrade Procedure

Perform the steps outlined in the following sections to install the Seeker Setup Software Version 3.25, update the firmware and reconfigure any older Seeker or Seeker MCA equipment. Repeat this procedure for all Seeker & Seeker MCAs that are in your system.

Install Seeker Setup Version 3.25

To install the Seeker Setup software, perform the following steps:

1. Depending on the operating system you are installing the Seeker Setup software on, you may need to log on as the local administrator.
2. Insert the Seeker Setup software CD in the appropriate drive.
3. If you have Autorun enabled for the CD-ROM drive, the Seeker Setup software setup program will start automatically. Otherwise, select the **Start** button then select **Run**, and type [drive]:\SeekerSetup.exe, then select the **OK** button. (Substitute the appropriate drive path in the command.)
4. Follow the prompts to install the Seeker Setup Software using the instructions provided in the Seeker Setup Operation Manual.
5. Install the Seeker & Seeker MCA drivers that are included on the CD using the instructions provided in the Seeker Setup Operation Manual.

Upgrade MCA Firmware

Perform the following steps to upgrade the firmware of the MCA;

1. Save the MCA Firmware file "MCA v02.01.src" that is located on the included CD to a folder on the PC or Laptop Computer in which Seeker Setup Version 3.25 is installed.
2. Apply power to the MCA via the Seeker Mobile Mount (in vehicle) or the Seeker MCA AC to DC Power Adapter (in office).
3. Connect the MCA to the PC using the USB Data Cable.
4. Launch the Seeker Setup Software.
5. From within the Seeker Setup Software select the **Seeker MCA** Radio Button.
6. Test the connection between the Seeker Setup Software and the MCA by selecting the **Get Setup from MCA Button**.
7. Once the connection is made, an error will be displayed stating that the version of the firmware on the Seeker MCA is not supported. Ignore this error and proceed to the next step.
8. Select the **Update Seeker MCA Firmware** Button, browse to the location where you saved the MCA Firmware file "MCA v02.01.src", highlight the file, and then select the **Open** Button.
9. A message will appear indicating "erasing flash segments", then "programming flash segments". Once this is complete the message "Download successful!" will be displayed indicating a successful firmware update to the MCA.

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Seeker Firmware Version 02.02 & Seeker MCA Firmware
Version 02.01 Upgrade Instructions
P/N 0010266021 – Rev 9/08
2 of 3



Reconfigure the MCA

Perform the following steps to reconfigure the MCA in which you have upgraded the firmware;

1. Insert a Truck ID. It must be different than that of the Tech ID in the Seeker.
2. Program up to three different Home Zones in the MCA by selecting the **WiFi/Home Zone Setup** Button and filling in the Home Zone Setup section just as before. Notice the Zone Selection at the top which indicates which zone you are currently setting up. Make sure you select the **Enable this Zone** Check-box to enable the zone you are programming.
3. Select the **Send Setup to MCA** Button to send the configuration to the MCA.
4. Power cycle the MCA prior to cradling the Seeker.

Upgrade Seeker Firmware

1. Save the Seeker Firmware file "Seeker v02.02.srec" that is located on the included CD to a folder on the PC or Laptop Computer in which Seeker Setup Version 3.25 is installed.
2. Connect the Seeker to the PC using the USB Data Cable.
3. From within the Seeker Setup Software select the **Seeker** Radio Button.
4. Test the connection between the Seeker Setup Software and the Seeker by selecting the **Get Setup from Seeker** Button.
5. Once the connection is made, an error will be displayed stating "ERROR reading setup parameters!". Ignore this error and proceed to the next step.
6. Select the **Update Seeker Firmware** Button, browse to the location where you saved the Seeker Firmware file "Seeker v02.02.srec", highlight the file, and then select the **Open** Button.
7. A message will appear indicating "erasing flash segments", then "programming flash segments". Once this is complete the message "Download successful!" will be displayed indicating a successful firmware update to the Seeker.

Reconfigure the Seeker

1. Select the **Trigger MCA Pairing** Check-box to pair the Seeker to the MCA.
 - a. Upon placing the Seeker in the mobile mount cradle, the Seeker and MCA will become a matched set.
 - b. In order to move a Seeker to another MCA the "Trigger MCA Pairing" must be rechecked and the configuration resent to the Seeker.
2. Verify that the TECH ID in the Seeker is retained and matches a LAW user account if uploading manually.
3. Verify that the proper frequency and tag frequency is programmed into the Seeker.
4. Select the **Send Setup to Seeker** Button to send the configuration to the Seeker.
5. Place the Seeker in the mobile mount cradle and verify that you receive the message "CA-0" on the Seeker display to confirm that the Seeker is communicating properly with the MCA.

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Version 02.01 Upgrade Instructions
P/N 0010266021 – Rev 9/08
3 of 3