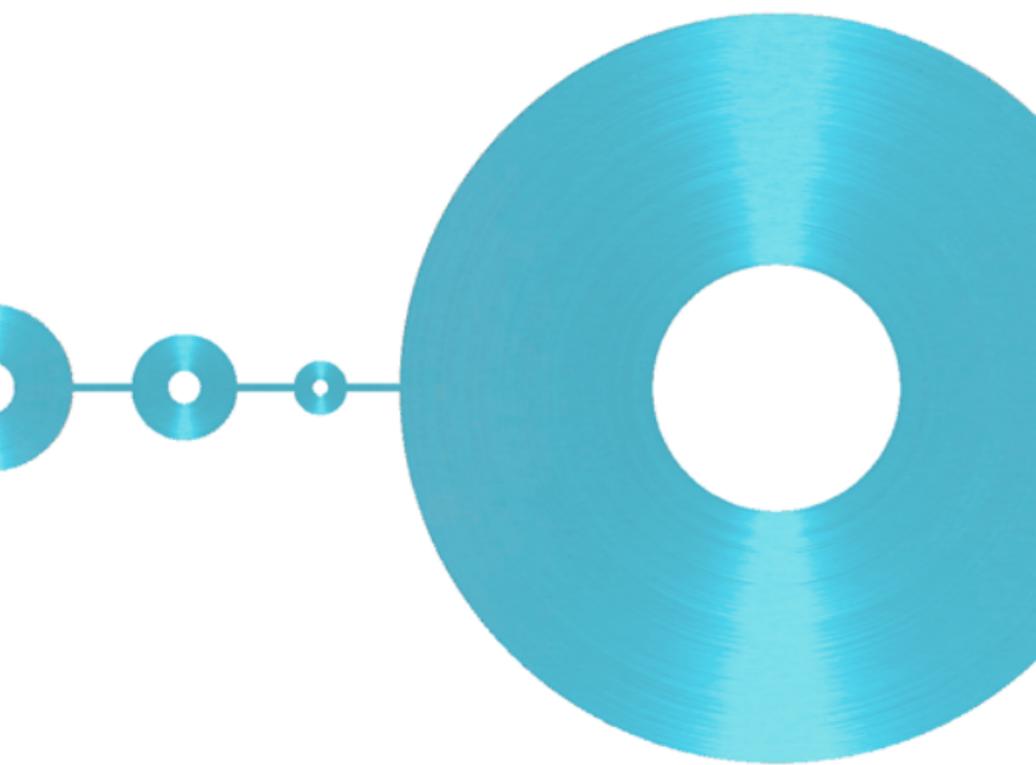


Installation and Licensing **Quick Reference**



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This Quick Reference booklet describes how to:

- Install and register IAR Embedded Workbench® with a **Mobile** or **PC-locked** single-user license
- Install and register IAR Embedded Workbench® with a **Network** multi-user license
- **Upgrade** your existing IAR Embedded Workbench®
- **Transfer** your license from one computer to another.

For more information, see the *Installation and Licensing Guide*, which is included on the product CD as the file *InstallationGuide.pdf*.

Installation procedure—Mobile or PC-locked license

The IAR Embedded Workbench installation is a three-stage procedure:

- A** Install the IAR Systems software using a **QuickStart key**, which allows you to use the product for 30 days.
- B** During this 30-day period, you must register your license with IAR Systems. Within 5 business days, you will receive a **permanent key** for your license.
- C** Install the permanent key. This opens up the product for permanent use.

Follow the detailed steps for each stage, see the *Mobile or PC-locked license* pane in this booklet.

Installation procedure—network license

- A** Install the IAR license server software on a server computer (omit this step if the license server is already installed).
- B** Activate your license with IAR Systems. Within 5 business days, you will receive a **permanent key** for your license.
- C** Install the permanent key on the license server. This is a necessary step before you can run IAR Embedded Workbench on a client computer.

- D Install IAR Embedded Workbench on the client computers, using the permanent key.

Follow the detailed steps for each stage, see the *Network license* pane in this booklet.

Mobile license

A **Mobile license** is a single-user license, locked to a hardware lock/dongle. A **dongle** is a device you attach to the computer, which allows you to easily move the license to another computer.

PC-locked license

A **PC-locked license** is a single-user license, locked to the computer where the software is installed.

Network license

A **Network license** is a multi-user license, located on a **license server** and used by multiple users on a network.

The network license is locked either to the computer where the license server software runs, or to a hardware lock (dongle).

The network license can be used on all **client computers** on the network where IAR Embedded Workbench is installed. However, the network license is made for a maximum number of concurrent users, and the license server software keeps track of the current number of users.

Product upgrade

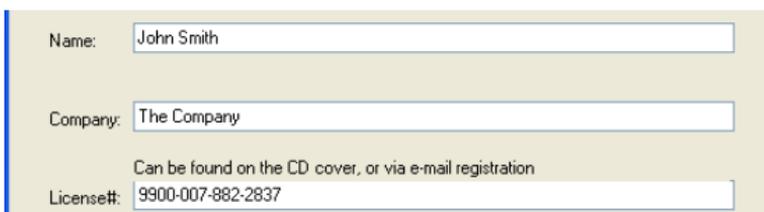
You perform a product upgrade **on the same computer** where a previous version of the same product is already installed.

Upgrades use the same **license number** and **permanent key** as your existing product. In most cases, these are automatically made available to the installation program, but in some cases you have to provide them yourself. For details, see *Locating the license number and permanent key* at the back of this booklet.

Note: If you are upgrading from a size-limited version, make sure to perform a Rebuild All command when you build your project for the first time using the new version.

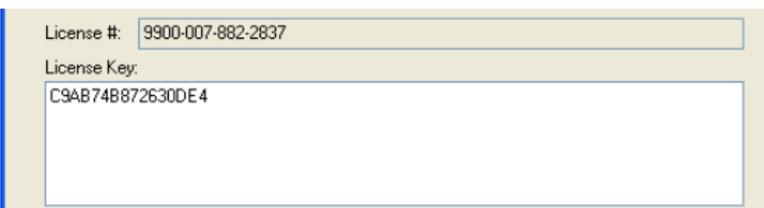
A. Installing the software

- 1 Remove any dongles.
- 2 Insert the IAR Embedded Workbench installation CD. The installation program should start automatically. If it does not, run the `autorun.exe` program from the CD.
- 3 Click **Install IAR Embedded Workbench®** and accept the license agreement when prompted.
- 4 Type your name, company, and the 17-character license number available in your welcome letter:



A screenshot of a registration form with a light beige background and a blue border on the left. It contains three input fields: 'Name' with 'John Smith', 'Company' with 'The Company', and 'License#' with '9900-007-882-2837'. A small text note above the license field reads 'Can be found on the CD cover, or via e-mail registration'.

- 5 Type the 16-character QuickStart key available in your welcome letter:



A screenshot of a license key entry form with a light beige background and a blue border on the left. It has two input fields: 'License #' with '9900-007-882-2837' and 'License Key' with 'C9AB74B8872630DE4'.

- 6 If you have a:
 - Mobile license, select **Hardware dongle** as the type of license lock. Do not attach the dongle to the computer until the installation program instructs you to do so.
 - PC-locked license, select **My Computer** as the type of license lock.
- 7 If prompted, select either a **Complete** or a **Custom** installation. If you choose **Custom**, select the components you want to install in the next dialog box.
- 8 Accept the default installation directory or specify a directory of your choice.
- 9 Review the settings for the installation and click **Install** to install the program files.
- 10 For a Mobile license, follow the instructions on the screen during the installation of the dongle drivers. You will be prompted when it is time to attach the dongle. If you are instructed to restart your PC, the license activation program will start automatically after the restart.

At this point, you can use the IAR Systems product for a limited period of 30 days. To use the product permanently, you have to register the product with IAR Systems to receive a permanent key, and then install that key.

B. Activating the product

- 1 When the program files have been installed, a license activation program is started. Click **Next** to enter the requested information.
- 2 Choose how to activate:
 - Now via the web—the recommended choice—make sure to submit the resulting web page to IAR Systems.
 - Later—the information you entered is saved. Run the license activation program later.
- 3 Finish the activation and installation program.

C. Installing the permanent key

Within 5 business days after sending in your registration, you will receive the permanent key via email. Install it as follows:

- 1 Copy the permanent key from the email message, according to the instructions in the message.
- 2 Start the **IAR Systems License Manager** from the **Start** menu. (Make sure you run it with administration privileges.) In the License Manager window, choose **License>Install**.



- 3 Type or paste the permanent key into the text field. Make sure to copy and paste all characters, including the # and all characters following it.
- 4 Click **Install**.

You are now finished with the IAR Embedded Workbench installation.

A. Installing the server software

Note: If the server software is already installed, jump to step B.

- 1 Choose a suitable server computer to act as the license server.
- 2 Configure your firewall to allow inbound traffic on UDP port 5093.
- 3 Remove any dongles.
- 4 Insert the IAR License Server installation CD. The installation program should start automatically. If it does not, run the `autorun.exe` program from the CD.
- 5 Follow the instructions in the installation wizard.
- 6 Before the installation has finished, you will be asked to activate a network license. Select **Activate a network license**.

B. Activating your product

- 1 If the activation program has not already started, choose **IAR License Activation** from the Windows start menu.
- 2 When the activation program starts, click **Next**. Select **For license server, register a network license**.
- 3 Type the 17-character license number printed in the welcome letter available in the product box.
- 4 Attach the dongle (if you have one).
- 5 Select the type of license lock you want to use, either **Hardware dongle** or **My computer**.
- 6 Select how to register:
 - Via the web—the recommended choice.
 - Later—the information you entered is saved. Run the license activation program later on.
- 7 Type the registration information and submit it.

C. Installing the permanent key

Within 5 business days after registration, a permanent key will arrive via email. Install it **on the license server computer**:

- 1 Copy the permanent key from the email message, according to the instructions in the message.
- 2 Start the IAR Systems License Manager from the Windows start menu. (Make sure you run it with administration privileges.) Then choose **License>Install**.
- 3 Paste the permanent key into the text field. Make sure to copy and paste all characters, including the # and all characters following it.

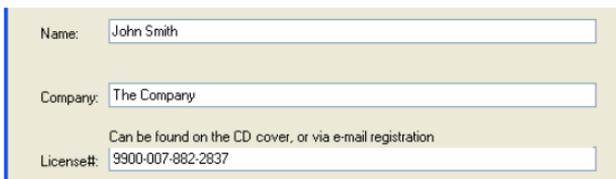
- 4 When asked, confirm that the license is a network license. To see your license, choose **View>All Servers**.
- 5 Make the license number and permanent key available to all client computers; email them or save them to a file located in the network.

D. Installing the client software

First make sure that the license server is up and running.

Then repeat these steps on each client computer:

- 1 Insert the installation CD. The installation program should start automatically. If it does not, run the `autorun.exe` program.
- 2 Click **Install IAR Embedded Workbench®**. Accept the license agreement when prompted.
- 3 Type your name, company, and the 17-character license number (see step C5):



A screenshot of a license registration form with three input fields. The first field is labeled 'Name:' and contains 'John Smith'. The second field is labeled 'Company:' and contains 'The Company'. The third field is labeled 'License#:' and contains '9900-007-882-2837'. Above the third field, there is a note: 'Can be found on the CD cover, or via e-mail registration'.

- 4 Provide the permanent key (see step C5).



A screenshot of a license key entry screen. It features a large text area containing a long alphanumeric license key: 'FXA9W52XDRGTGU7RVGT91AV564A52J26M7Z41J8584M0RXJPWMJSLUJ70MT85BVAVFD70Z4S11SHVS3ZRW3SAUECMRDCR5VQNECKUD1LMC2CWJTJ13ETSSBPNR0E1M3QEZ4I V5WJVD1103JICBE4# Feature: EW Version: 1.2_WIN'. Below the text area, there is a link 'Read License Key From File' and a 'Browse...' button. The drive 'C:' is indicated as the current selection.

- 5 Accept the default installation directory or specify a directory of your choice.
- 6 If prompted, select either a **Complete** or a **Custom** installation.
- 7 Review the settings for the installation and click **Next** to install the program files.

You are now finished with the installation.

A. Installing the product upgrade

Perform these steps on each computer where you currently have IAR Embedded Workbench® installed:

- 1 If you wish to completely **replace** your existing product installation—that is, to use exactly the same installation directory—do as follows:
 - First make copies of linker configuration files, libraries, and any other product files you have modified in your existing installation. These files will otherwise be overwritten. Your own project files will remain intact.
 - Then uninstall the current version of the product by selecting the appropriate **Uninstall IAR Embedded Workbench** item from the Windows start menu or the Control Panel.
- 2 Insert the IAR Embedded Workbench installation CD. The installation program should start automatically. If it does not, run the `autorun.exe` program from the CD.
- 3 Select **Install IAR Embedded Workbench®**.
- 4 Accept the license agreement when prompted.
- 5 Type your name and company. The 17-character license number should be displayed. If it is not, type the license number of the product you are upgrading. See the back of this booklet for details.



A screenshot of an installation form with three input fields. The first field is labeled 'Name:' and contains the text 'John Smith'. The second field is labeled 'Company:' and contains the text 'The Company'. Below the second field is a small text label: 'Can be found on the CD cover, or via e-mail registration'. The third field is labeled 'License#:' and contains the text '9900-007-882-2837'.

- 6 The permanent key should be displayed. If it is not, you must provide the permanent key of the product you are upgrading (see the back of this booklet for details). You can either paste it into the text field, or browse to a file in which you have saved it:



A screenshot of a license key display area. At the top, it says 'License Key:'. Below that is a large text box containing a long alphanumeric string: 'FXA9W52XDRGTGU7RVGT91AV564A52J26M7Z41J8584MDFXJJPWMJSUJ70MT85BVAVFD70Z4511SHV53ZRW3SAUECMRDCR5VQNECKUD1LMC2CWTJ13ETS5BPNR0E1M3QEZ41V5VJVD1103JICBE4# Feature: EW Version: 1.2_WIN'. Below the text box is a link that says 'Read License Key From File'. At the bottom left, there is a label 'C:' and a 'Browse...' button.

- 7 Accept the default installation directory or specify a directory of your choice.

Note: If the installation directory is the same as the previous installation of the product, make sure you have first uninstalled the previous version. See step A1.

- 8 If prompted, select either a **Complete** or a **Custom** installation.
- 9 If you choose **Custom**, select the components you want to install in the next dialog box. Note that this step does not always apply.
- 10 Review the settings for the installation and click **Next** to install the program files.

You are now finished with the IAR Embedded Workbench upgrade.

If you have a **network** license, make sure to perform the above steps on each client computer.

Note: For information about how to move a license between computers, see the License transfer pane.

B. Upgrading the license server

Product upgrades for **network** licenses might come with updated license server software. If that is the case, perform the following steps on the computer where you have the current license server software installed.

Note: This will shut down the license server and make all network licenses temporarily unavailable.

- 1 The setup program will uninstall the old version of the license server software.
- 2 Remove any dongles.
- 3 Insert the IAR License Server installation CD. The installation program should start automatically. If it does not, run the `autorun.exe` program from the CD.
- 4 Click **Install the IAR License Server**.
- 5 Accept the license agreement when prompted.
- 6 Select the location of the IAR Systems licensing tool icons on the Windows **Start** menu.
- 7 Review the settings for the installation and click **Next** to install the program files.
- 8 If you are asked to activate or register the product, select **Finish the installation without activating a license**. You should **not** register the license server upgrade, because you already have registered the product when you first installed it.
- 9 Attach your dongle and restart the license server.

You are now finished with the IAR Systems license server upgrade.

A. Moving a Mobile license

If you need to transfer your Mobile license to a different computer, do as follows:

- 1 Your IAR Embedded Workbench is already installed, activated, and registered on computer A as described earlier in this booklet. You have also specified **Hardware dongle** as the type of license lock to be used.
- 2 Make the license number and permanent key available to computer B. For information about how to locate the permanent key, see the back of this booklet.
- 3 Install IAR Embedded Workbench on computer B using the license number and permanent key. Specify **Hardware dongle** as the type of license lock to be used. When prompted, move the dongle to computer B.

You can now use IAR Embedded Workbench on both computers by simply moving the dongle between them.

B. Moving a network license locked to a dongle

The network license should typically be locked to the dongle that is included in the product package. To move the network license to a new license server computer, for example in the case of server failure, do as follows:

- 1 Install the license server software on the new computer as described earlier in this booklet. Do not activate or register the license.
- 2 Make the permanent key available to each client computer. For information about how to locate the permanent key, see the back of this booklet.
- 3 On each client computer, re-install the permanent key as described earlier.

You have now transferred the license server software to the new computer.

C. Moving a PC-locked license

You might want to move your PC-locked license to another computer, for example when purchasing a new computer.

To transfer a license between two computers, the license must first be deactivated on the old computer and then activated on the new computer. For this to work correctly, license and host information must be transferred between the two computers as follows:

- 1 On the old computer, make the permanent key available to the new computer by saving it to a file. For information about how to locate the permanent key, see the back of this booklet.
- 2 On the new computer, install the product according to the instruction for PC-locked licenses.

Next, you will create the transfer ID on the old computer:

- 3 On the old computer, start the IAR Systems License Manager from the Windows **Start** menu. Make sure you run it with administration privileges.

- 4 In the License Manager window, choose **License>Transfer**.
- 5 Select **Export a license from this PC to another PC** and select the license that you want to transfer. Click **Next**.
- 6 In the next dialog box you receive the transfer ID, which you will need on the new computer. Click **Save To File** and save to a file that you have access to on the new computer.
- 7 Click **Next** and keep the **Transfer License** dialog box open on the old computer. You will return to it later.

Next, you will create the target ID on the new computer:

- 8 On the new computer, start the IAR Systems License Manager from the Windows **Start** menu. Make sure you run it with administration privileges.
- 9 In the License Manager window, choose **License>Transfer**.
- 10 Select **Import a license to this PC from another PC**.
- 11 In the next dialog box, provide the transfer ID you received in step 6. Click **Read From File** and locate the file containing the transfer ID.
- 12 In the next dialog box you receive the target ID, which you will need on the old computer. Click **Save To File** and save to a file that you have access to on the old computer.
- 13 Click **Next** and keep the **Transfer License** dialog box open on the new computer. You will return to it later.

Next, you will create the license transfer code on the old computer:

- 14 On the old computer, provide the target ID you received in step 12. In the dialog box, click **Read From File** and locate the file containing the target ID.
- 15 Click **Transfer**. The license now becomes inactive and can no longer be used on the old computer.
- 16 In the next dialog box you receive the license transfer code, which you will need on the new computer. Click **Save To File** and save to a file that you have access to on the new computer.
WARNING: If you lose the transfer code, you will not be able to activate the license on the new computer. This means that the license cannot be used on any computer.
- 17 Click **End** to complete the transfer of the license on the old computer.

Next, you will activate the license on the new computer:

- 18 On the new computer, provide the license transfer code you received in step 16. In the dialog box, click **Read From File** and locate the file containing the transfer code.
- 19 Click **Complete** to complete the transfer of the license to the new computer.

Locating the license number and permanent key

In some cases, you must manually locate and provide the license number and the permanent key of the product you are using. If this is applicable for your installation, you will be prompted to do so when you run the installation program.

The **license number** can be found in the letter accompanying the upgrade, or on the CD cover of the original product. The **permanent key** can be found in the email message you received from IAR Systems when you registered the product.

They can also be found in the current installation of your product. See the *Installation and Licensing Guide* for details.

System requirements

For client computers, see the *Release notes* on your product CD.

For the license server computer (network licenses only), see the *Release notes* on your license server CD.

Troubleshooting

If you have problems concerning the installation or license:

- Read the *Installation and Licensing Guide*, included on the product CD as the file `InstallationGuide.pdf`
- Check the technical notes on the Technical Support pages on the IAR Systems website: www.iar.com

Contact your IAR software distributor. If they are unable to assist you, contact IAR Systems Technical Support.