

Instructions



MTS4EAUP
License Upgrade for
MTS4EA Compressed Video ES Analyzer
075-0894-00

www.tektronix.com



075089400

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Kit Description

This document describes how to perform the following upgrades on the software key (dongle) for the Tektronix MTS4EA Compressed Video ES Analyzer:

- Permissions upgrade (add options to existing software)
- Floating license upgrade (add users to existing floating license)
- Node-locked to floating license upgrade (upgrade from single machine license to single floating license)

An overview of the upgrade process is described on the following page.

Kit Parts List

Quantity	Part number	Description
1 EA	075-0894-00	INSTRUCTIONS; MTS4EAUP LICENSE UPGRADE
1 EA	N/A	FLOPPY DISKETTE, 3.5 INCH DOUBLE SIDED, 1.44 MB; MTS4EA LICENSE UPGRADE

Upgrade Process Overview

Listed below are the high-level actions required for the various MTS4EA upgrade scenarios. If you have upgrade problems, refer to *Troubleshooting the License Upgrade Process* on page 15.

Upgrading from v3.0 to v4.0 or Higher

To upgrade from MTS4EA v3.0 to v4.0 or higher, perform the steps described in *Options Permissions Upgrade Procedure* starting on page 3.

Upgrading from v4.0 to v4.x or higher

To upgrade from MTS4EA v4.0 to v4.x or higher, perform the steps described in *Options Permissions Upgrade Procedure* starting on page 3.

Upgrading from Node-locked License to Single-user Floating License

To upgrade from a node-locked license (single license for a single machine) to a single-user floating license, do the following:

- Perform the steps described in *Options Permissions Upgrade Procedure* starting on page 3.
- Read the upgrade process described in *User License Upgrade* starting on page 5.
- Perform the steps described in *Node-locked to Floating License Upgrade Procedure* starting on page 10.

NOTE. *If you want to upgrade from a node-locked license to a multiple-user floating license, you must first upgrade your node-locked license to a single-user floating license. After you upgrade to a single-user floating license, you can then upgrade to a multiple-user floating license.*

Upgrading from Single-user Floating License to Multiple-user Floating License

To upgrade from a single-user floating license to a multiple-user floating license, do the following:

- Perform the steps described in *Options Permissions Upgrade Procedure* starting on page 3.
- Read the upgrade process described in *User License Upgrade* starting on page 5.
- Perform the steps described in *Floating License Upgrade Procedure* starting on page 6.

Options Permissions Upgrade

These instructions are for personnel who are familiar with servicing the product. If you need further details refer to the appropriate product manual. Contact your nearest Tektronix, Inc., Service Center for installation assistance.

NOTE. Each MTS4EA software key (dongle) contains two sets of permissions: one for the enabled MTS4EA options, and another for the user licenses. Since separate processes are used to upgrade the options permissions and the user licenses stored in the dongle, you can upgrade the options permissions and the user licenses in any order.

Options Permissions Upgrade Procedure

The software key (dongle) stores the permissions for the enabled MTS4EA options. The options permissions are upgraded using an update program and an encrypted data file. Tektronix provides these files either by floppy disk or CD-ROM with this kit, or by email.

Perform the following steps to upgrade the MTS4EA options permissions:



CAUTION. To prevent an upgrade failure, your computer or Tektronix MPEG instrument must have the associated MTS4EA software key (dongle) installed.

Be sure that the dongle you are updating is the one you specified in the upgrade order. The upgrade data file can be applied to the dongle only one time and it will work only with the dongle specified at the time you ordered the upgrade.

1. If you received your upgrade files via email proceed to step 2. Otherwise, insert the floppy disk or CD-ROM supplied with this kit into the appropriate drive on your computer or Tektronix MPEG instrument.
2. Copy the upgrade files from the floppy disk or CD-ROM, or from the email, to any directory on your computer or Tektronix MPEG instrument.



CAUTION. *If the DESkey server is installed and running on the computer or Tektronix MPEG instrument, you must stop the server service before you run the executable file in step 3 below. If you do not stop the service, you will get an error message when you attempt to run the file.*

To stop the server service, open the Control Panel (Windows Start > Settings > Control Panel) and select the DESkey icon, which opens the DESkey Configuration dialog box. In the dialog box, select the Networking tab. Click the Stop button if the server service is running. The server button will say Start when the service is not running.

3. From the directory where you copied the upgrade files, run the following executable file: `remoteupdate.exe`. The executable file will then use the accompanying data file to securely change the contents of the dongle memory to include any new options.
4. If necessary, remove the floppy disk or CD-ROM from the computer or Tektronix MPEG instrument.

User License Upgrade

The instructions on the following pages describe how to perform the license upgrades listed below:

- Floating License Upgrade. Adds more user licenses to an existing floating license.
- Node-locked to Floating License Upgrade. Converts a node-locked (single machine) license to a single-user floating license.

User License Upgrade Process

The activities listed below are required to perform the user license upgrade:

1. You create a Customer Update Request File (CURF) and send that file to Tektronix. The CURF is specific to the dongle on your existing product.

NOTE. *The instructions for creating the CURF are described in Generating a Customer Update Request File (CURF) starting on page 12.*

2. Tektronix uses the CURF to create a License Upgrade File (LUF).
3. Tektronix sends you the LUF either on floppy disk or CD-ROM, or by email.

NOTE. *When you receive the upgrade files from Tektronix, you must copy the files to a single directory on the hard drive of the client machine containing the installed MTS4EA Compressed Video ES Analyzer used to create the CURF.*

4. You apply the LUF to the dongle using the DESkey configuration utility.

NOTE. *The instructions for applying the LUF are described in Floating License Upgrade Procedure starting on page 6.*

When the dongle has been upgraded, the LUF will become obsolete.

Floating License Upgrade Procedure

Perform the following steps to add user licenses to an existing floating license dongle:

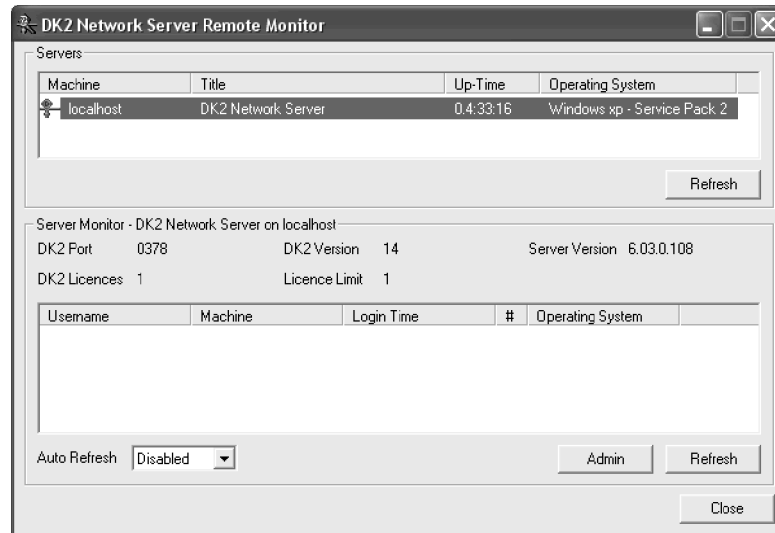
1. If necessary, copy the upgrade files from the floppy disk or CD-ROM, or from the email, to a single directory on the hard drive of the client machine.

NOTE. The client machine must contain the installed MTS4EA Compressed Video ES Analyzer that was used to create the CURF.

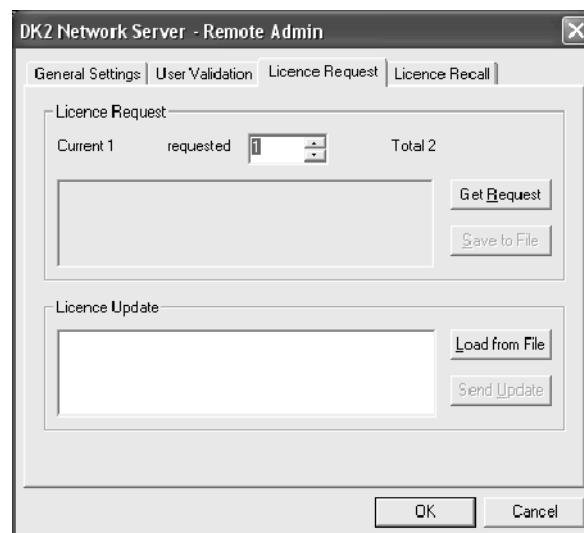
2. Ensure that the dongle is installed on the License Server.
3. From the client machine, open the control panel (Start > Settings > Control Panel).
4. Open DESkey application. In the DESkey Configuration dialog box, select the Networking tab. The server machine should be listed in the upper panel.
5. Verify that the server service is running. As shown below, the server button will say Stop when the service is running. If the server button says Start, click the button to start the service.



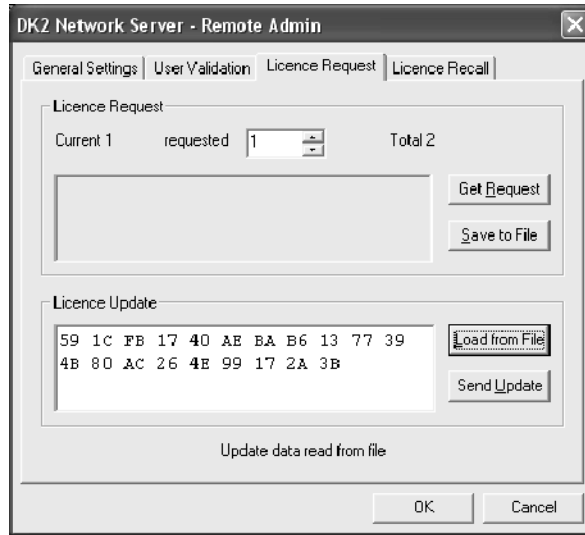
6. Select the Monitor button to display the DK2 Network Server Remote Monitor dialog box.



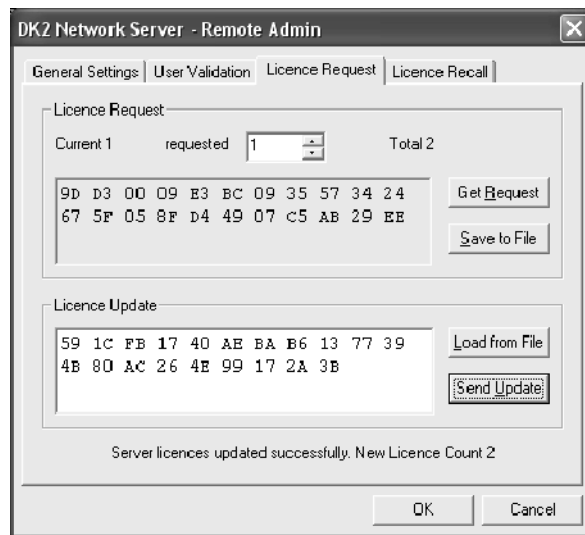
7. Highlight the server machine in the server list (upper panel) and click the Admin button. Enter the required password. The default is “deskey”.
8. If the password is correct, the DK2 Network Server dialog box is displayed. Select the License Request tab.



9. Press the Load from File button and locate the License Upgrade File (LUF) on the hard disk. The upload is complete when data is displayed in the License Update window.

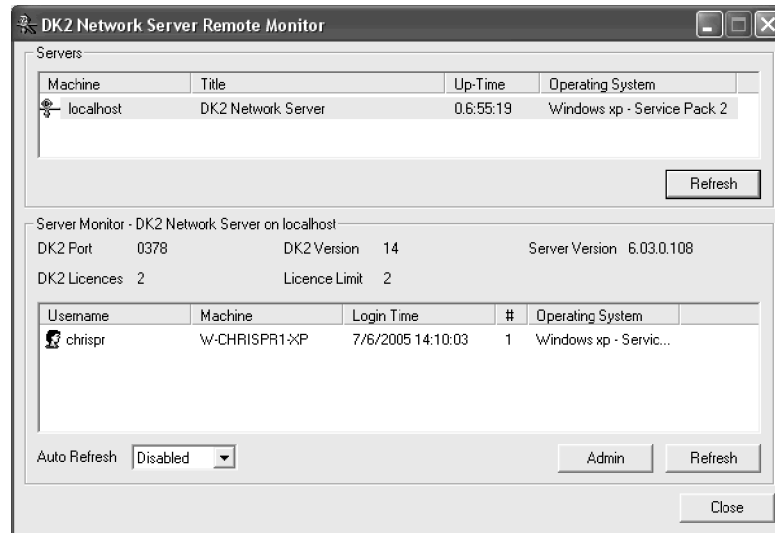


10. Press the Send Update button to send the LUF to the server.



11. Close the DK2 Network Server dialog box.

Note that the number of licenses available is displayed in the lower half of the DK2 Network Server Remote Monitor dialog box.

**12.** Close all dialog boxes.

The floating license upgrade is now complete.

Node-locked to Floating License Upgrade Procedure

You will need to perform the following steps to convert a node-locked dongle to a floating license dongle:

- Install and configure the license server
- Generate the Customer Update Request File (CURF)
- Install the License Update File (LUF)

Installing and Configuring the License Server

Perform the following steps to install and configure the license server:

1. Select a server machine that will host the dongle (currently located on the client machine).

NOTE. *A client machine can also be set up as a server machine.*

2. Move your existing MTS4EA dongle from the client machine to the server machine. Install the dongle either on the USB port or on the parallel port of the server machine, depending on the type of dongle.
3. Perform one of the following two actions:
 - If your current version of the MTS4EA software is 4.0 or higher, insert the MTS4EA software installation CD-ROM (Tektronix part number 063-3824-xx) that was provided with your MTS4EA software into the CD-ROM drive on the server machine.
 - If your current version of the MTS4EA software is 3.0, or you do not have the MTS4EA v4.0 CD-ROM, contact Tektronix technical support to obtain the program file used in step 5 below (dnsv32.exe). You will not be able to continue the upgrade process without this file.

NOTE. *When the CD-ROM is inserted, the MTS4EA setup screen will be displayed. Click the Close button at the bottom of the window to terminate the MTS4EA installation program.*

4. Using Windows Explorer, locate and open the DES directory on the CD-ROM.
5. From the DES directory, run the program dnsv32.exe. During the installation process, accept the default entries.
6. Reboot the server machine if requested to do so at the end of the installation process.

- Open the Control Panel (Windows Start > Settings > Control Panel) and select the DESkey icon. This will open the DESkey Configuration dialog box, the first two tabs of which are shown below (the version numbers shown near the bottom of the dialog box may vary).

NOTE. For the server installation, the DK2/DK38 tab and the top half of the Networking tab can be ignored; these refer to the client installation that shares the same configuration dialog.



8. In the DESkey Configuration dialog box, select the Networking tab.
9. The field at the bottom labeled Server Port Number shows the port to be used for communication with any clients; the default value is 3029. Click the OK button to finish.

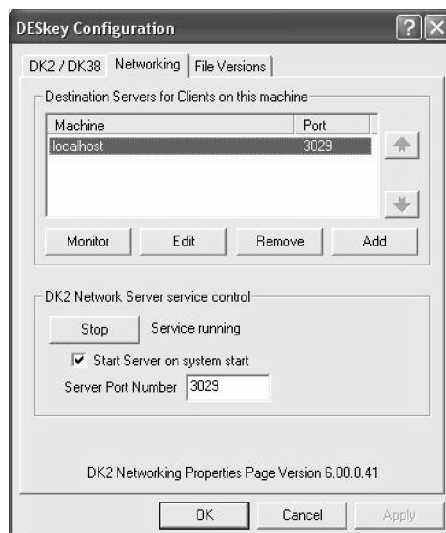
NOTE. Depending on the policy of your IT department, port 3029 may be blocked by the network firewall. If this is true, perform the following steps:

1. Consult your network administrator for another unrestricted port.
 2. Enter the new port number in the DESkey Configuration dialog box and click the Apply button.
 3. If you get a prompt asking about restarting the server, select Yes. This will stop and start the Network Server Service using the new port.
 4. When the port has been applied, click the OK button to finish. This restarts the license server but does not cause the server to reboot.
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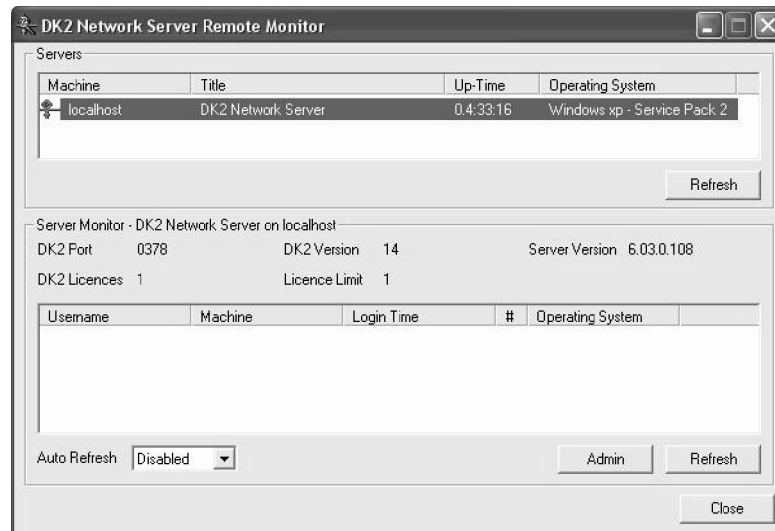
Generating a Customer Update Request File (CURF)

Perform the following steps to generate a Customer Update Request File (CURF) to send to Tektronix:

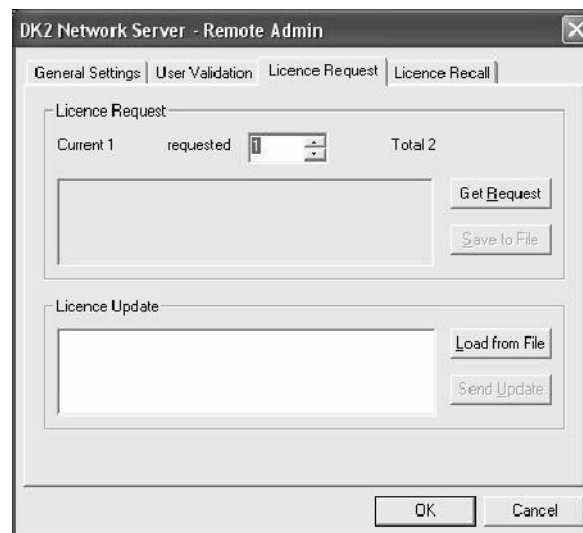
1. From the client machine, open the Control Panel (Windows Start > Settings > Control Panel) and select the DESkey icon. This will open the DESkey Configuration dialog box.
2. In the DESkey Configuration dialog box, select the Networking tab. The server machine should be listed in the upper panel.



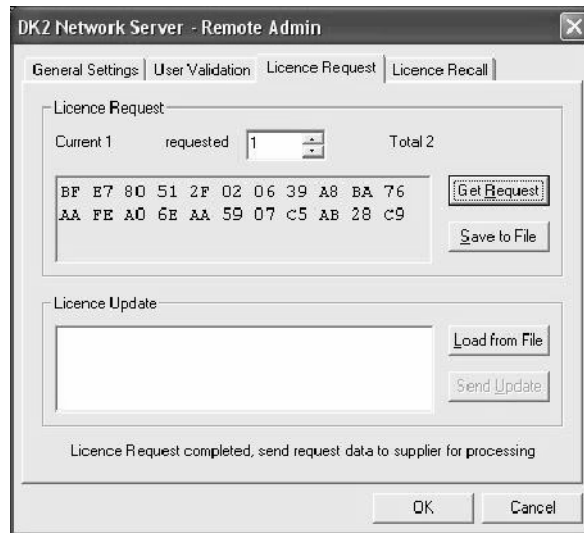
3. Select the Monitor button to display the DK2 Network Server Remote Monitor dialog box.
4. Highlight the server machine in the server list (upper panel) and click the Admin button.



5. Enter the required password. The default password is “deskey”.
6. If the password is correct, the DK2 Network Server dialog box is displayed. Select the License Request tab as shown below.



7. Enter the required number of licenses in the requested edit box. The number of requested licenses plus the current number of licenses cannot exceed 255.
8. Click the Get Request button to generate the data for the Customer Update Request File (CURF). The generated data is shown in the panel next to the button and the Save to File button is enabled.



9. Click the Save to File button and select a location and filename for the data. Any file name can be used, but the file must have a ".req" extension. The default file name is "update.req".
10. Close the DK2 Network Server, DK2 Network Server Remote Monitor, and DESkey Configuration dialog boxes.
11. Send the generated CURF to your local Tektronix representative.
12. After Tektronix uses the CURF to generate the License Upgrade File (LUF) and sends that file to you, perform the steps described in *Floating License Upgrade Procedure* starting on page 6 to complete the upgrade.

Troubleshooting the License Upgrade Process

Table 1 lists some common license upgrade problems and lists possible solutions. If these solutions do not solve your upgrade problem, contact Tektronix customer support.

Table 1: Troubleshooting upgrade problems

Upgrade problem	Possible solution
The required license server machine is not listed on Networking tab.	Add the server name using the Add button.
A license server machine is listed on Networking tab but is not listed in DK2 Network Server Remote Monitor dialog.	Has the server that is entered in the client's list of servers been "applied"? Click Apply on the DESkey configuration dialog box and refresh the DK2 Network Server Remote Monitor dialog box. Is the Server service running on the server? If not, start the service. Is the port number the same on both client and server, and is not blocked by the network firewall? Select a suitable port number and apply it to both client and server.
The new server port number is not being accepted by the Networking tab.	Stop the Server service by clicking the Stop button. Change the port number and click Apply. Start the Server service.
Clicking the "Get Request" button on the Licence Request tab causes "Error 8000 calling server".	Ensure that there is a dongle installed on the server machine.
Clicking the "Send Update" button on the Licence Request tab causes "Error 4012 occurred sending update to server".	Ensure that the upgrade file (LUF) is for the dongle installed on the server machine. Ensure that the upgrade file (LUF) has not already been applied to the dongle. The LUF will work only for the first upgrade attempt.

❑ End of document ❑

