

Update the KT-400 firmware from v1.xx to v2.xx

This application note explains how to update the KT-400 firmware, v1.xx to enable the KT-400 Standalone web server, v2.xx.

Requirements

You need the following controller:

- KT-400 rev1 controller, you can identify a KT-400 rev1 controller by the absence of a heatsink device.

Choose an update option:

- Offline update:
 - EntraPass Special Edition demo.
 - Firmware v2.00.
- Online update:
 - Internet connection.

Updating offline

To update the KT-400 firmware offline, complete the following steps:

1. Log on to the www.kantech.com website.
2. To download the demo software from the Kantech web site, click the **Support** tab, and select **Demo Software**.
3. To download the KT-400 firmware from the Kantech web site, you must have a member center login. Complete the following steps:
 - a. Click the **Support** tab, and select **Software Downloads** from the menu.
 - b. In the **Software Downloads** page, select **Door Controllers** from the **Kantech** list, and select **KT-400** from the sub menu.

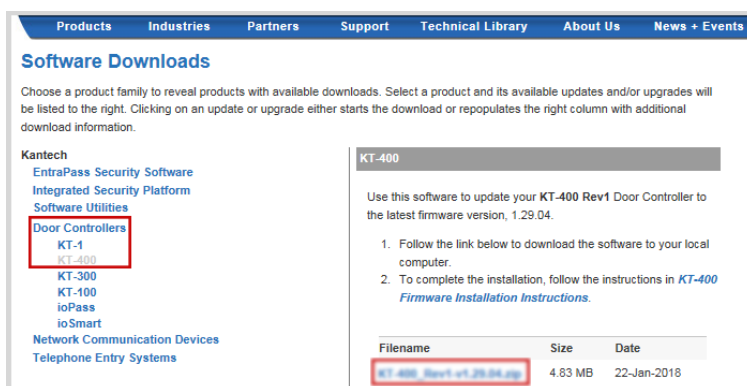


Figure 1 Kantech web site, Software Downloads page

- c. Complete the wizard to install the EntraPass **Demo** software.

4. Start the **Demo** software and connect the KT-400 to EntraPass. Refer to the KT-400 User Manual.
5. To load the firmware, complete the following steps:
 - a. Click the **Options** tab, and select **System Parameters** from the menu.
 - b. In the pane on the left, select **Firmware**, and click the **KT-400** tab.
 - c. In the **KT-400 rev 01** area, click the **three-dot** button in the **New firmware** field.
 - d. Point to the firmware folder you downloaded and unzipped in step 3. Click **OK**.
6. To update the firmware, complete the following steps:
 - a. Click the **Operation** tab, and select **Controller** from the menu.
 - b. Select the appropriate controller from the list, and click the **Reload controller firmware** button.
Note: Ensure the controller is online.
 - c. When the update completes, the controller reboots.
 - d. To disconnect the controller, click the **Devices** tab, select **Connection** from the menu, and change the MAC address in the **Mac Address** field.
7. To do a factory reset on the KT-400, complete the following steps:
 - a. Pull jumper 2, and jumper 3.
 - b. Press the **Reset** button.
 - c. Wait to see the heartbeat flash.
 - d. Reset jumper 2, and jumper 3.
8. To access the KT-400, launch a web browser, and navigate to <http://kt-ab-cd-ef>. The **ab-cd-ef** is the last three sets of the KT-400 MAC address.

Updating online

To update the KT-400 firmware online, complete the following steps:

1. Connect the KT-400 to the demo server.
 - a. Use the KT-Finder to configure the KT-400, use the following settings:
 - EntraPass Address: demo.kantech.com
 - Protocol: TCP
2. Connect the KT-400 to the demo web client.
 - a. Launch **Internet Explorer**, and navigate to <https://demo.kantech.com> web portal.
 - b. Download and install the EntraPass web.
 - c. Log on with the following details:
 - Username: kt400update
 - Password: kt400update
 - d. Click the **Hardware Setup** tab, and select **Connection and Controller** from the menu.
 - e. Choose the **KT-400 updater** connection.
 - f. Click the **Edit** button on the upper right part of the window.

- g. In the **MAC Address** field, enter your MAC address. Click **Save**.

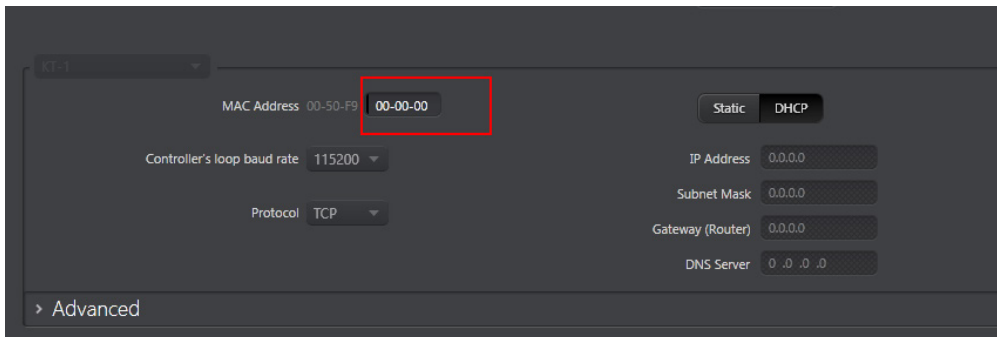


Figure 2 KT-400 settings

- h. Wait for the controller to connect.
i. Double-click the **Controller** button.
j. In the **Firmware** area, click the **Update** button.

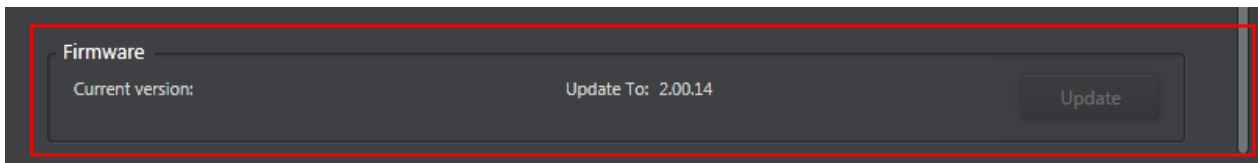


Figure 3 Controller firmware update

- k. Wait for the KT-400 to finish upgrading. The controller reboots when the upgrade completes.
3. To do a factory reset on the KT-400, complete the following steps:
- Pull jumper 2, and jumper 3.
 - Press the **Reset** button.
 - Wait to see the heartbeat flash.
 - Reset jumper 2, and jumper 3.
4. To access the KT-400, launch a web browser, and navigate to <http://kt-ab-cd-ef>. The **ab-cd-ef** is the last three sets of the KT-400 MAC address.

