

Update the KT-1 firmware from v1.xx to v2.xx

This application note explains how to update the KT-1 firmware, v1.xx to 2.xx to enable the KT-1 standalone, using the web server configuration page.

Requirements

Two update options are available:

- Offline update:
 - EntraPass Special Edition demo is the minimum requirement.
 - Firmware v2.00.
- Online update:
 - Internet connection.

Updating offline

To update the KT-1 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-1 firmware from the Kantech web site, click the **Support** tab, and click **Software Downloads** from the menu. In the **Software Downloads** page, click **Door Controllers**, and select **KT-1** from the sub menu.

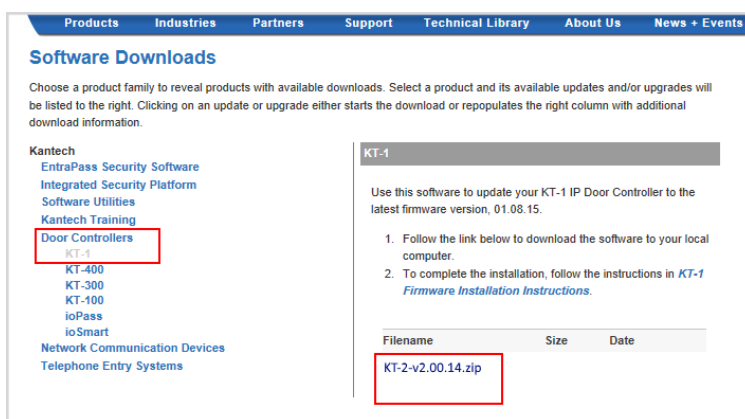


Figure 1 Kantech web site, Software Downloads page

4. Complete the wizard to install the EntraPass **Demo** software.
5. Start the **Demo** software and connect the KT-1 to EntraPass. Refer to the KT-1 User Manual.
6. To load the firmware, complete the following steps:
 - a. Click the **Options** tab, and click **System Parameters** from the menu.

- b. Click the **Firmware** menu on the upper left part of the window.
 - c. Click the **KT-1** tab, and click the **three-dot** button.
 - d. Point to the firmware folder you downloaded and unzipped in step 3. Click **OK**.
7. To update the firmware, complete the following steps:
 - a. Click the **Operation** tab, and click **Controller** from the menu.
 - b. Select the appropriate controller from the list, and click the **Reload controller firmware** button.
 - c. When the update is complete, the controller will reboot.
 - d. To disconnect the controller, click the **Devices** tab, click **Connection** from the menu, and change the MAC address in the **Mac Address** field.
8. To do a factory reset on the KT-1, complete the following steps:
 - a. HOLD the **Reset** button for three seconds.
 - b. Tap the **Reset** button three times.
 - c. Wait to hear three beeps.
 - d. HOLD the **Reset** button for three seconds.
9. To access the KT-1, launch a web browser, and go to <http://kt-ab-cd-ef>. The **ab-cd-ef** is the last three sets of the KT-1 MAC address.

Updating online

To update the KT-1 firmware online, complete the following steps:

1. Connect the KT-1 to the demo server.
 - a. Use the KT-Finder to configure the KT-1, use the following settings:
 - EntraPass Address: demo.kantech.com
 - Protocol: TCP
2. Connect the KT-1 to the demo web client.
 - a. Launch **Internet Explorer**, and go to <https://demo.kantech.com> web portal.
 - b. Download and install the EntraPass web.
 - c. Log on with the following details:
 - Username: kt1update
 - Password: kt1update
 - d. Click the **Hardware Setup** tab, and click **Connection and Controller** from the menu.
 - e. Choose the **KT-1 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**.

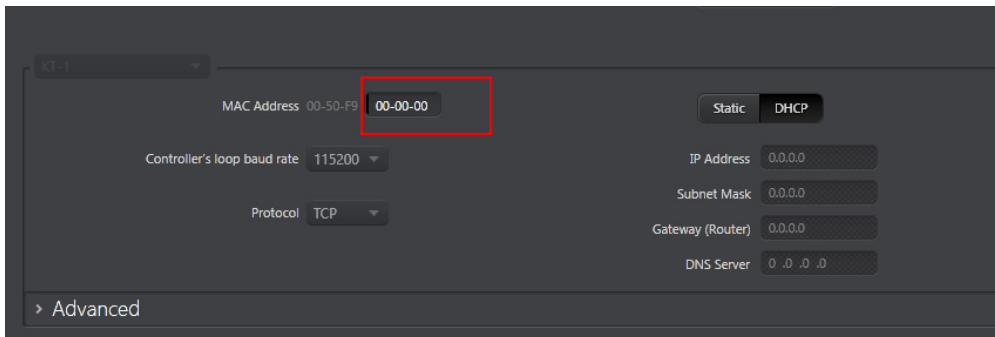


Figure 2 KT-1 settings

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

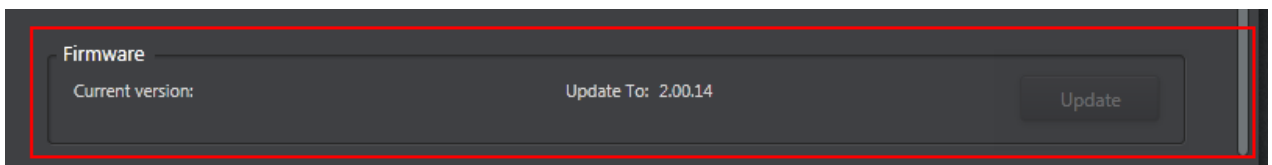


Figure 3 Controller firmware update

- k. Wait for the KT-1 to finish upgrading. It will reboot when it is complete.
3. To do a factory reset on the KT-1, complete the following steps:
- HOLD the **Reset** button for three seconds.
 - Tap the **Reset** button three times.
 - Wait to hear three beeps.
 - HOLD the **Reset** button for three seconds.
4. To access the KT-1, launch a web browser, and go to <http://kt-ab-cd-ef>. The **ab-cd-ef** is the last three sets of the KT-1 MAC address.

