SENTINEL

Controller Manual Configuration

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POB 49, Misgav Industrial Park
Misgav 20179, ISRAEL

Tel: +972-73-2152929
Fax: 972-73-7253217

Email: sales@epapersign.com
Web: www.epapersign.com

Contents

General 4
Configuration from the panel screen....4
Connections 4
Configuration....5
Operations via SNT Manager....6
Configuration....6
Firmware upgrade....11
Connection to Sentinel 13
Messages 13
Controller used as switch 13
Open/close printer for Copy 14

General

Sentinel controller must be recognize and connected properly in the same LAN where the printer server is connected to.

Configuration from the panel screen

Connections

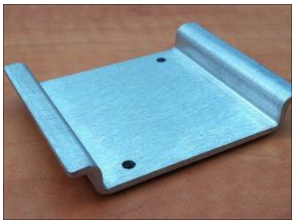
1. Connect power supply to the controller

2. Connect Ethernet cable to the controller

The controller has three input entries for Ethernet cable.
(See section **Connection to Sentinel** below for usage).

3. In order to keep the controller stable there are two options to connect the controller permanently:
   - To the table
   - To the wall

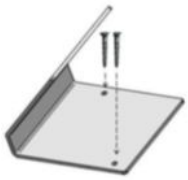
Connection to the table by “V” stand



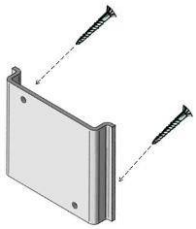
Mounting bracket

Connecting instructions:

If mounting on a desktop, use the supplied desk mounting bracket to install on a desk close to the printer. Ensure that the screws are appropriate for the surface.



If mounting on a wall, use the supplied wall mounting bracket to install on the wall closest to the printer. Ensure that the screws are appropriate for the wall and use masonry anchors if necessary. Insert the controller into the bracket on the wall from the top downwards.



Configuration

1. On main window on the controller click on settings icon (in the right bottom corner)

2. Enter settings password (the default is 1234).

3. If you prefer to set static IP address for the controller, then press settings icon to navigate the settings menu till you reach "Device IP" item, then simply type the new IP address and press "OK" (the "V" icon)

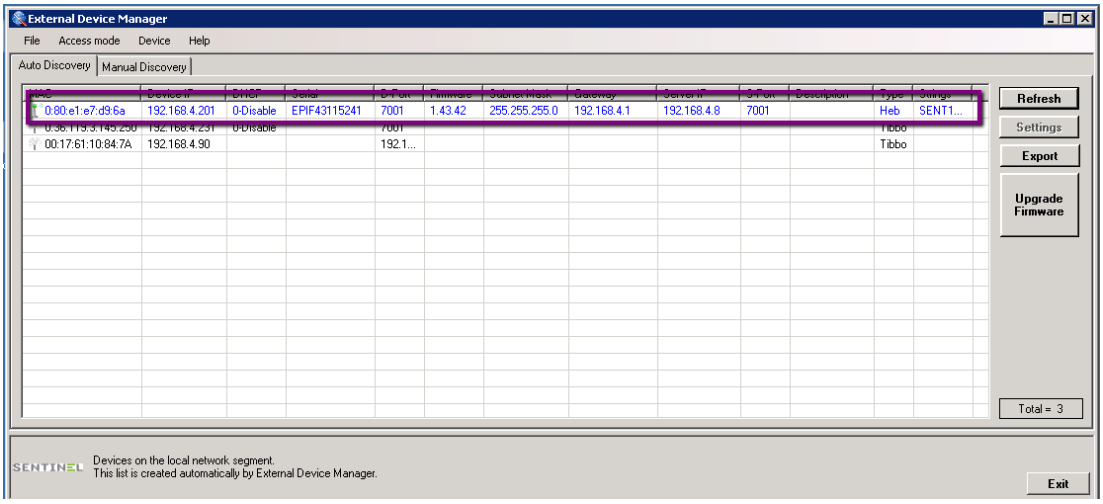
4. If you prefer dynamic IP address for the controller, then press settings icon to navigate the settings menu till you reach "DHCP Enable" item, then simply type the "1" and press "OK".

5. Then you need to set the Server IP, by navigating the settings items till you reach "Server IP". Set its value to the same as your printing server IP where Sentinel is installed and click "OK'.

Operations via SNT Manager

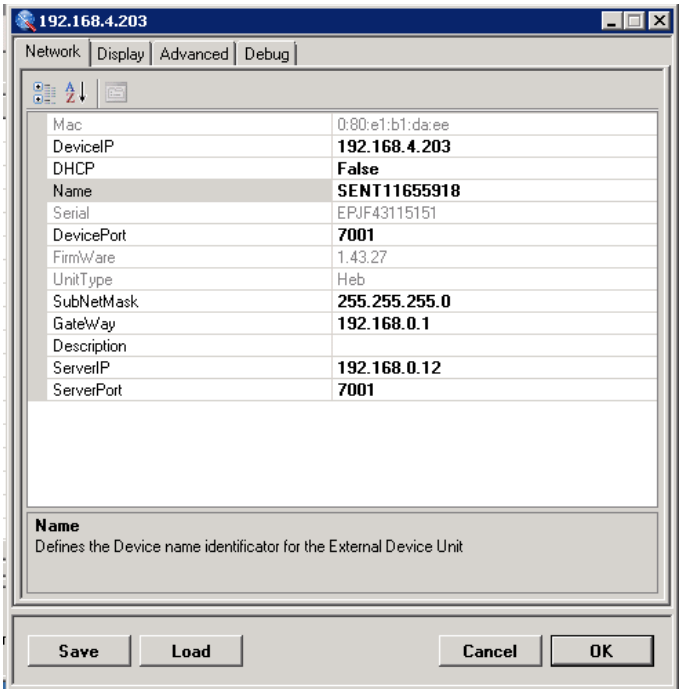
Configuration

1. Activate "SNT Manager" located in program files under "Sentinel" (Sometimes it's called "External Device Manager").
   You will get the following screen:



2. Double-click on the controller from the list to open properties window.

Opened window will display all controller definitions:

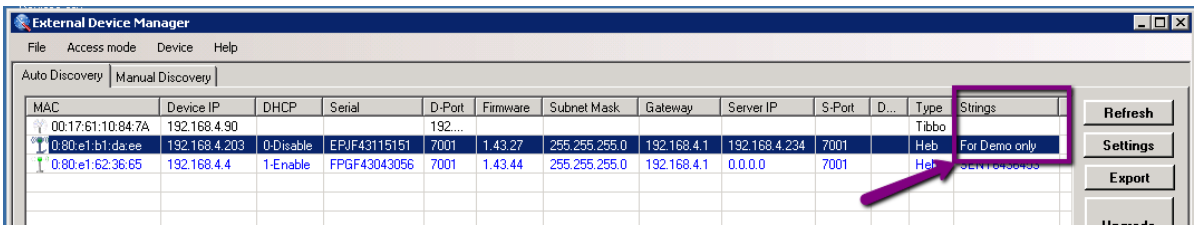


Attention:

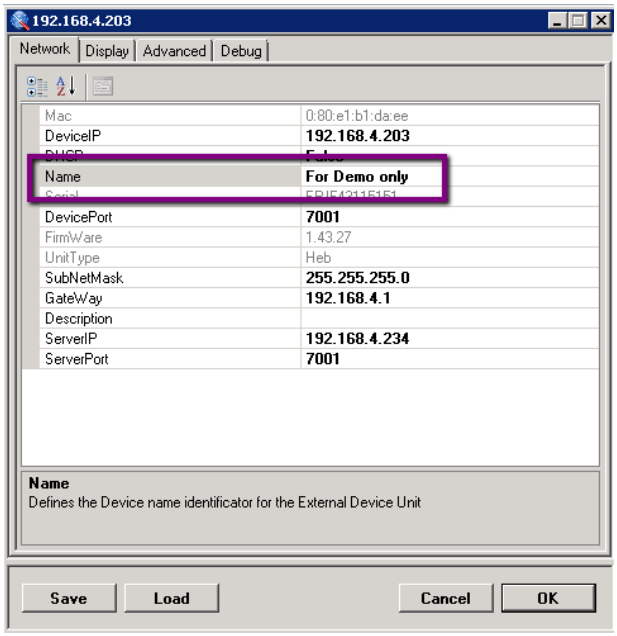
- The first update will be DeviceIP and fro that on the IP will remain the same.
  Controller IP is the identification Value of the controller, and all references are via that value.
  Only after that all other values will be configured. Otherwise, the system doesn't know to which IP configuration belongs.
- DHCP should be 'false' when update is done, before 'OK' is pressed. This is because otherwise broadcasting continues, and the IP can be changed randomly.

3. Modify any of the settings you need, you must set the Server IP as the IP of your printing server where Sentinel is installed. Then click "OK".

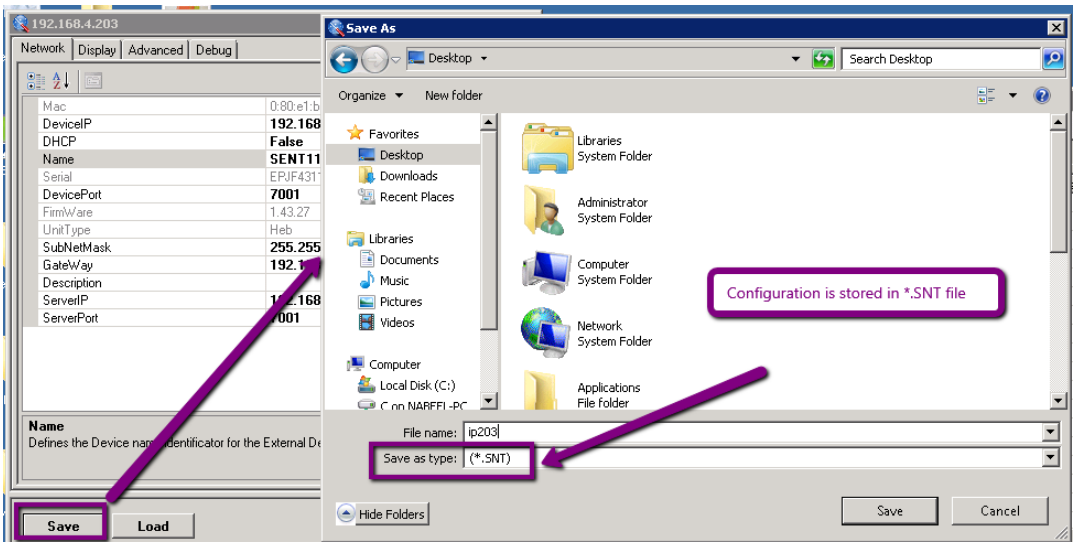
Name = Can be configured to meaningful name.
The values are displayed for controllers list for users' conveniences:



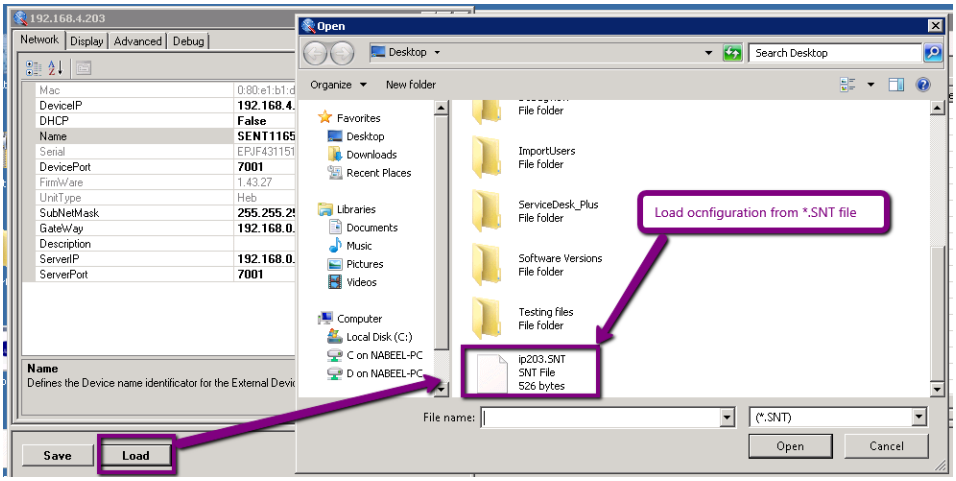
Configuring is done as for any other value:



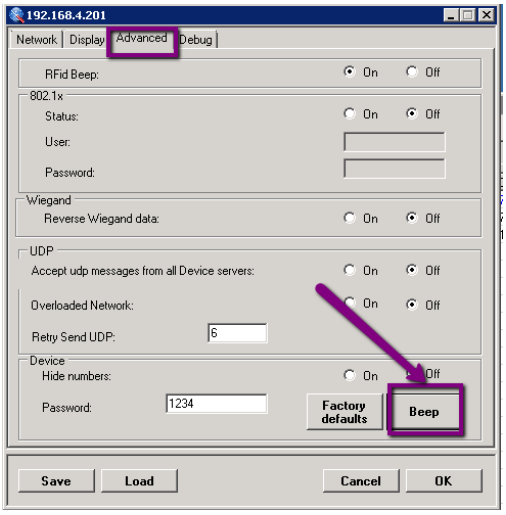
4. In order to configure several controllers at once, for example, you can save all configuration of the 1st controller in a file and load them to configure the other controllers.
   The configuration will be saved in *.SNT file.



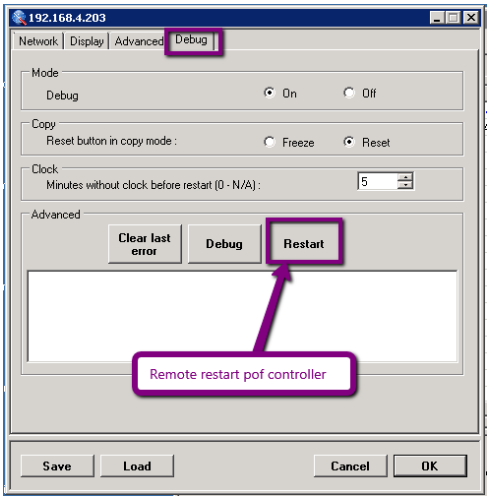
Load the configuration in order to update controller/s:



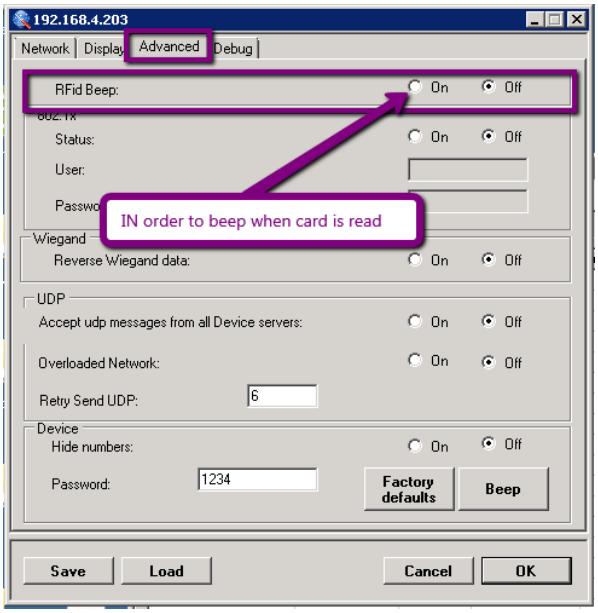
5. In order to check if controller is connected to the server, you can select Advanced Tab and press “Beep”. The controller should beep.



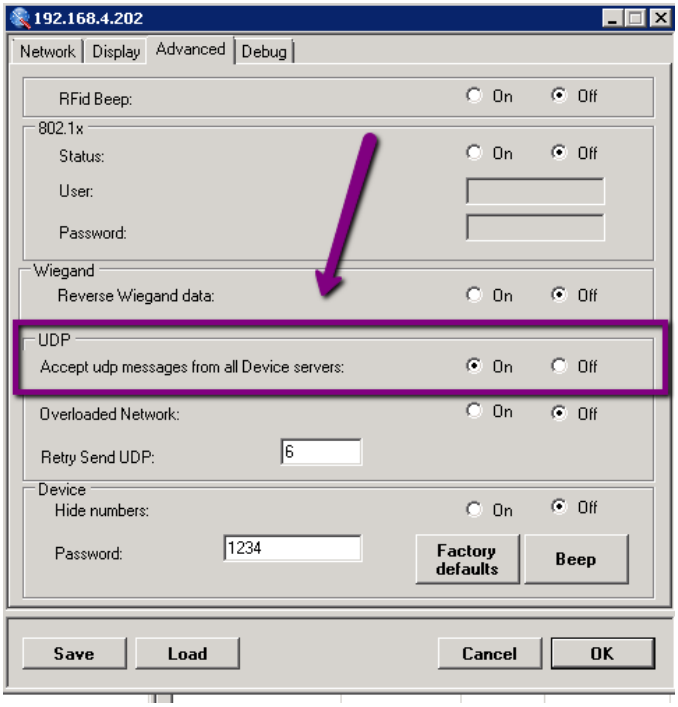
6. In order to restart the controller remotely select Debug Tab and press “Restart”.



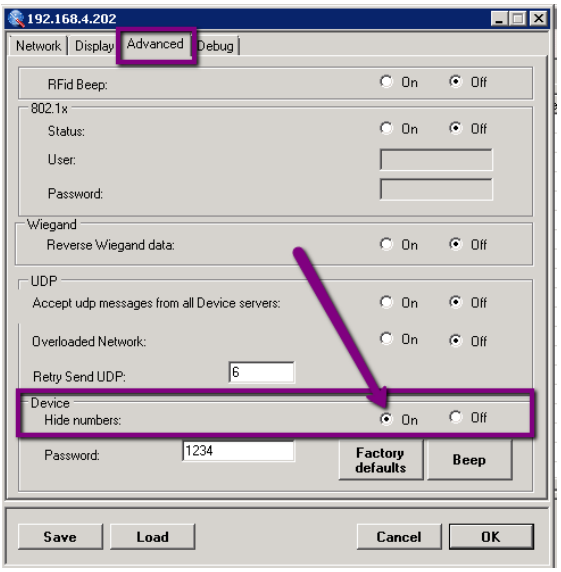
7. Controller's card reader can beep / not beep when card is passed.
   In order to force beeping on card passing, select Advanced and mark :
   RFid Beep = On



8. In order to enable the controller to work with two servers, the UDP message should be accepted from more than one server, select Advanced and mark:
   UDP: Accept udp messages from all Device servers = On.

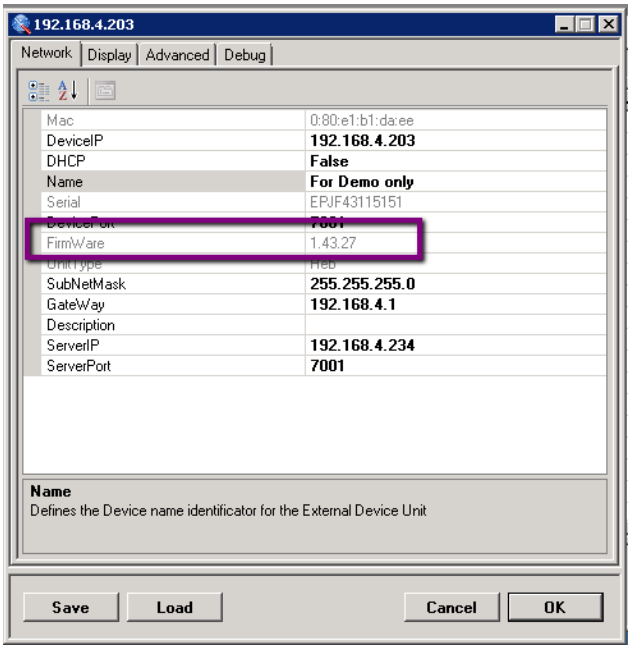


9. In order to hide code value, so that "****…" will be displayed on the screen, select Advanced and mark:
   Device: Hide numbers = On

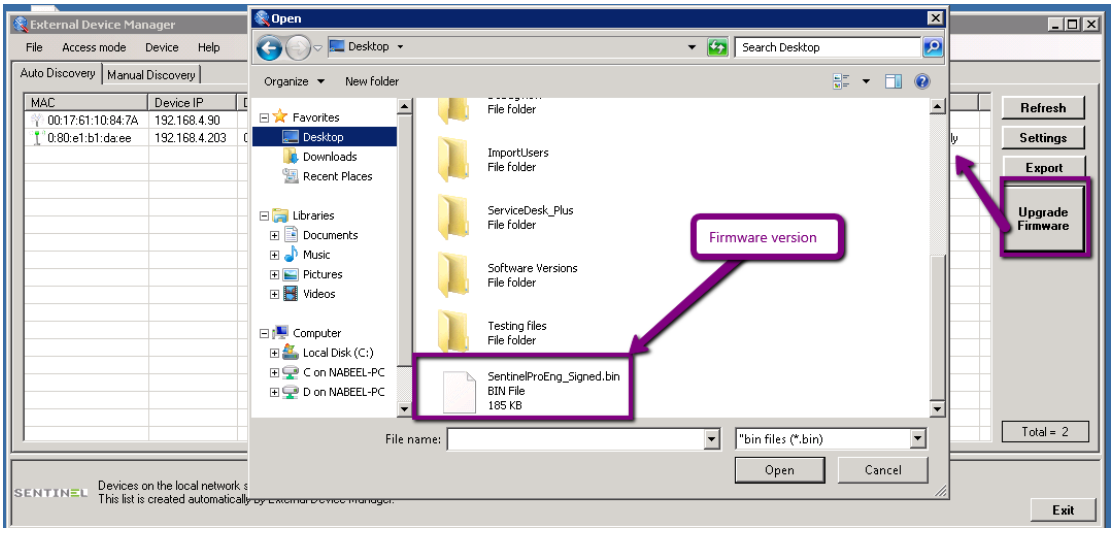


Firmware upgrade

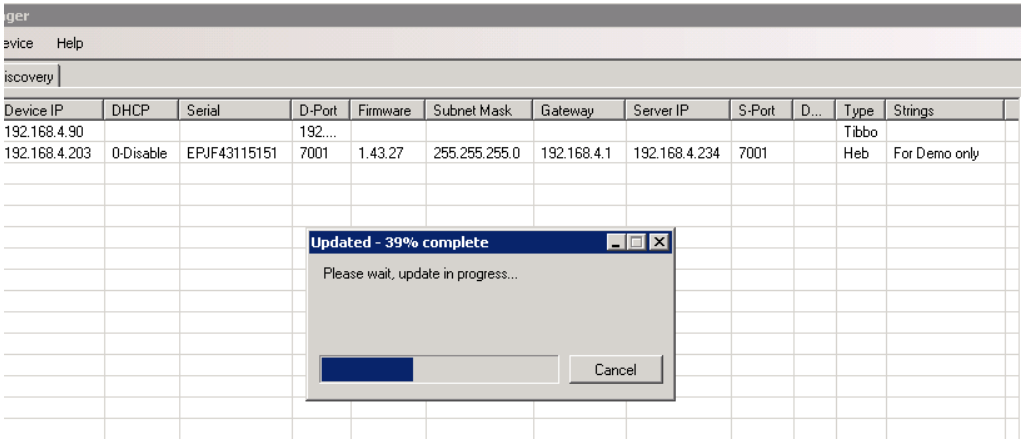
1. Controller firmware upgrade via SNTManager.
2. Firmware version is displayed (Read only) in main configuration screen:

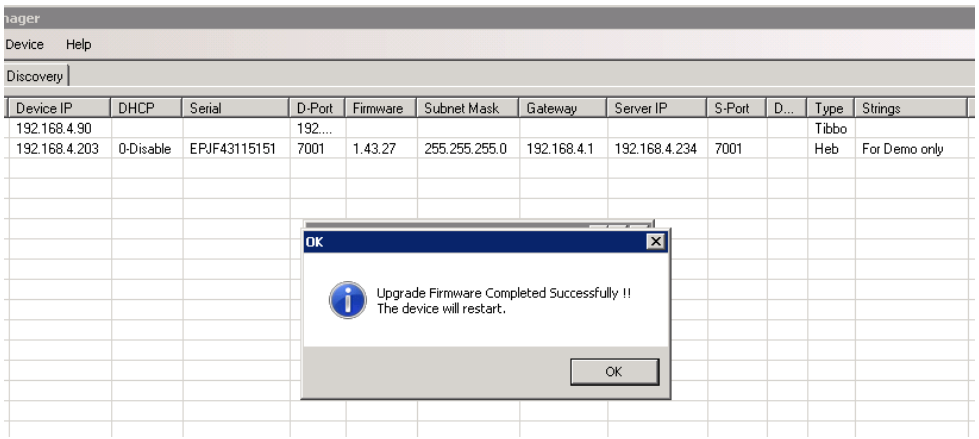


Updating is done be selecting a controller and pressing "Update Firmware". You will be asked to select the firmware file from the suitable folder and update.



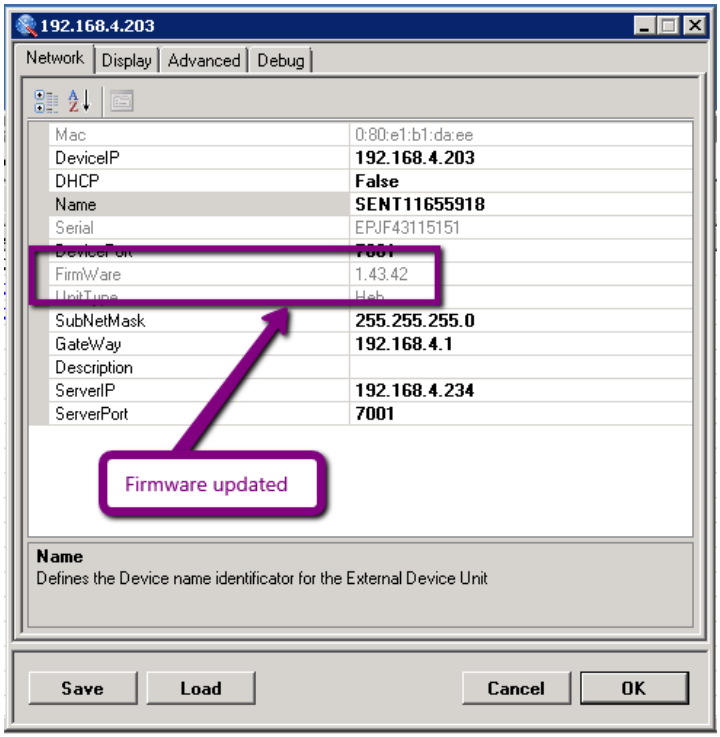
After confirmation (“Are you sure?” + “OK”) the firmware is upgraded





After upgrade the controller <u>should be restarted</u> (as required).

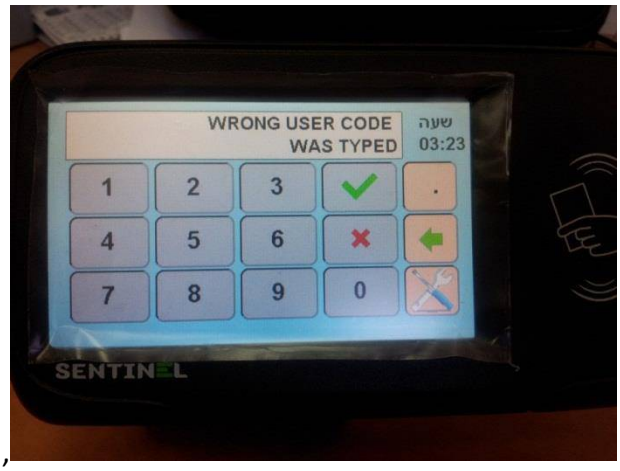
The new firmware version will be displayed:



Connection to Sentinel

Messages

For example, when you type incorrect user code, the panel will show error message:



,

This is valid for all other Sentinel messages.

Controller used as switch

When only one network connection point is used both for printer and for controller, the controller is used as switch, as follows:

- One Ethernet cable connects between the controller and the network (As explained in section **Configuration from the panel screen**).
- The other cable connects between the controller and the printer.

Open/close printer for Copy

The option is available for printers which have foreign interface, e.g., FDI support.

Each printer company has its' own copy cable with its' specific empty connection to the printer:

When using secured Copy option (After entering code / passing card), the Sentinel controls the Copy option by opening the printer for copying on Copy request and closing it when operation is done / timeout.

This is done by connecting Copy cable to the printer on one hand and to the controller as an Ethernet cable on the other hand.