

Buspro Wireless Product Firmware Update Guide

Abstract

This document has been created to provide instructions on how to install a software update to the HDL Buspro wireless range of automation solutions.

In order to facilitate updates to the HDL Buspro wireless range of automation solutions, both manual and automatic update procedures will be explained below.

If you experience difficulties during the update process, or are unsure of the correct procedure, please contact your HDL sales representative for assistance.

Automatic Update Process

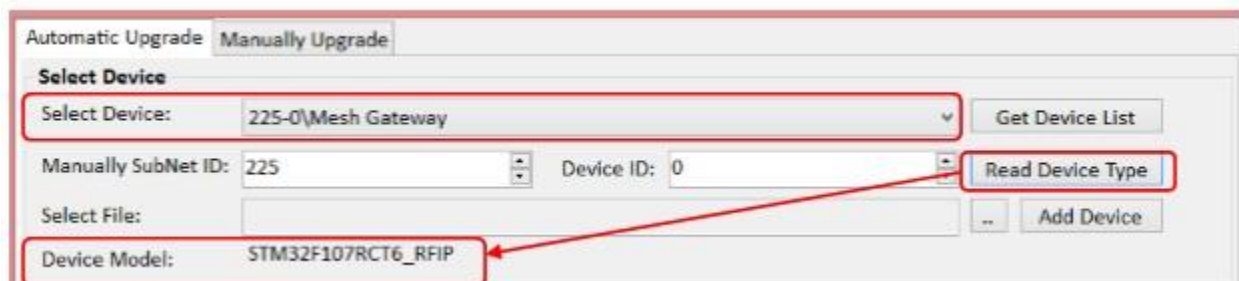
The automatic update process is the preferred method of installing software updates to HDL Buspro wireless devices.

The automatic update process consists of three basic steps which will be outlined below.

Using a PC, open the 'HDL Buspro Deisgh Tool II' program. Select 'Upgrade' tab.

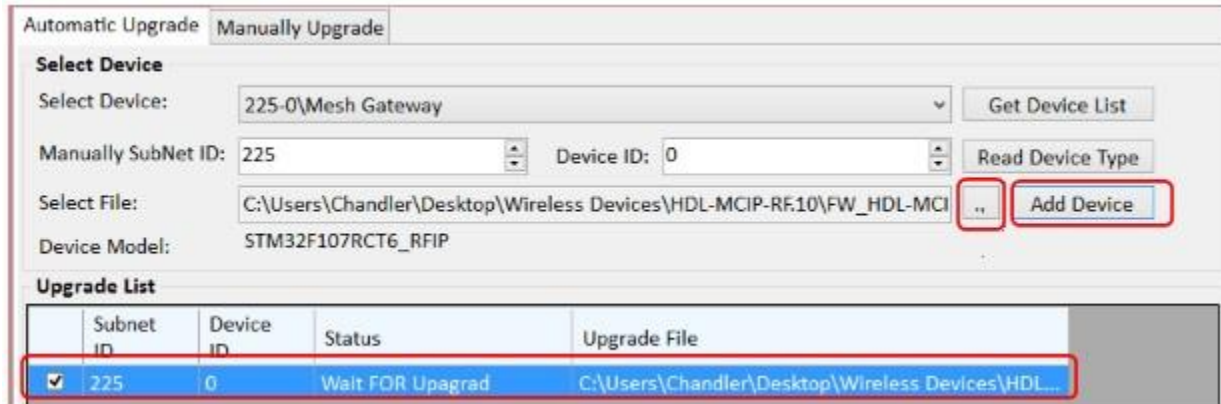
A new window will then appear named 'Firmware Upgrade'. In this window select the 'Automatic Upgrade' tab (by default the 'Automatic Upgrade' tab should already be open).

In the Automatic Upgrade window navigate to the 'Select Device' dropdown list, click on the drop down list and then select the HDL Buspro Wireless device you wish to update. After selecting your chosen HDL Buspro Wireless device, click on the 'Read Device Type' tab. The device model designation will then be displayed next to the Device Model listing.

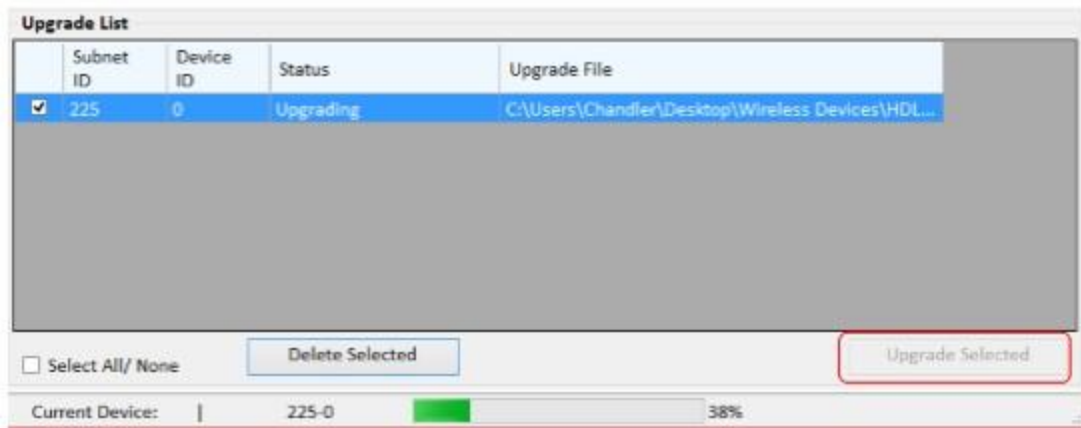


1. After completing the above steps, the file which contains the device update must be selected. This can be done by clicking on the small box tab containing two periods. When this box tab is clicked, a file navigation window will appear allowing the needed .bin file to be selected.

After this has been done select the 'Add Device' tab, and the 'Upgrade List' at the bottom of the 'Automatic Upgrade' window will be display the device to be updated and its status.



2. To complete the update process click on the 'Upgrade Selected' tab. This will then update the devices shown in the 'Upgrade List' with the previously selected update file.



Manual Update Process

The manual update process is normally only used when the automatic update process has failed. If the automatic update process is possible, it is recommended that it is used instead of the manual update process.

The manual update process consists of four basic steps which will be outlined below.

Using a PC, open the 'HDL Buspro Design Tool II' program. Select the 'Upgrade' tab.

A new window will then appear named 'Firmware Upgrade'. In this window select the 'Manually Upgrade' tab.

1. The device or devices that you wish to install the software update onto must now be manually configured so that they enter into 'Programming Mode'.
As each device is different, so is the manner in which they are configured to enter the 'Programming Mode'.

Listed below are the methods needed to enter the Gateway, iTouch panel, iFlex panel, iSense panel, and DLP panel into the 'Programming Mode'.

Wireless Gateway/Modules with a 'PROG' button

To manually enter the programming mode for the wireless Gateway, or any HDL module with a 'PROG' button, first turn off the device. After it has been powered off depress the programming button, and then turn the power back on.

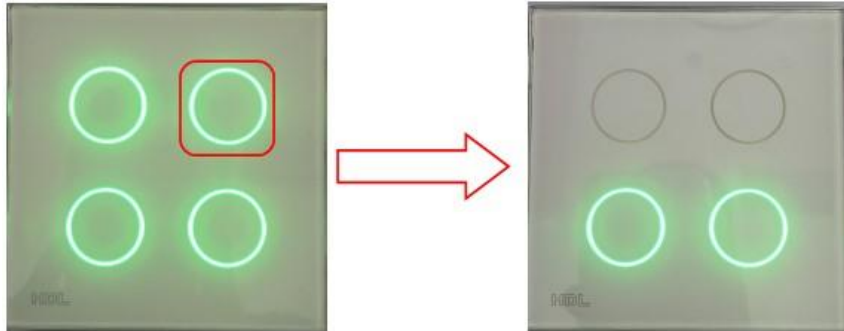
The programming button must be depressed as the power is turned back on, only after the power has been turned back on should the programming button be released.



iTouch panel

To manually enter the programming mode for the iTouch panel, first disconnect the panel from its power source. And then reconnect the panel to its power source.

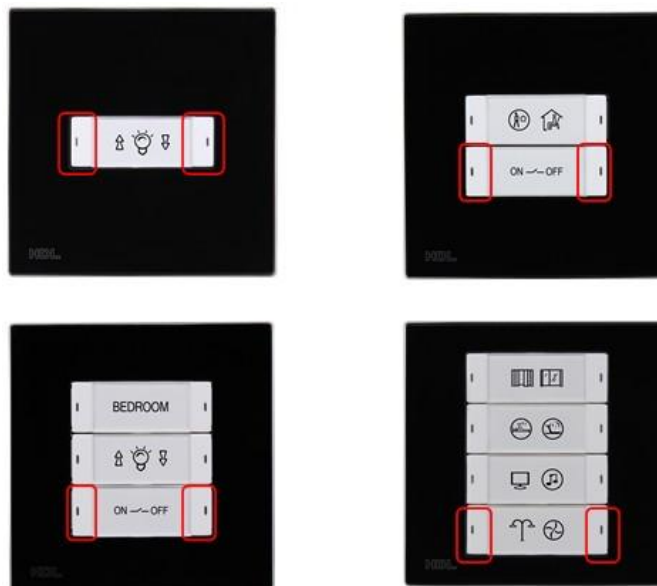
The panel button halos should now be green, to enter into the programming mode simply press any one of the panel buttons. Once programming mode has been activated, the bottom two button halos will remain green.



iFlex panel

To manually enter the programming mode for the iFlex panel, first disconnect the panel from its powersource. While the panel is powered off, simultaneously depress the both of the lower switch buttons. (In the case of the single switch panel, simply depress both buttons.)

While the buttons are still depressed, reconnect the power to the panel. The lower two buttons must be depressed as the power is turned back on, only after the power has been turned back on should they be released. The programming mode will now be active.



iSense panel

To manually enter the programming mode for the iSense panel, first disconnect the panel from its power source.

While the panel is powered off, for a single button panel depress the button, for a dual button panel depress both buttons simultaneously, and for a three and four button panel depress the lower two buttons simultaneously.

While the button(s) are still depressed, reconnect the power to the panel. The button(s) must be depressed as the power is turned back on, only after the power has been turned back on should they be released. The programming mode will now be active.



DLP panel

To manually enter the programming mode for the DLP panel, first disconnect the panel from its power source. While the panel is powered off, simultaneously depress the both of the lower switch buttons.

While the buttons are still depressed, reconnect the power to the panel. The lower two buttons must be depressed as the power is turned back on, only after the power has been turned back on should they be released. The programming mode will now be active.



2.

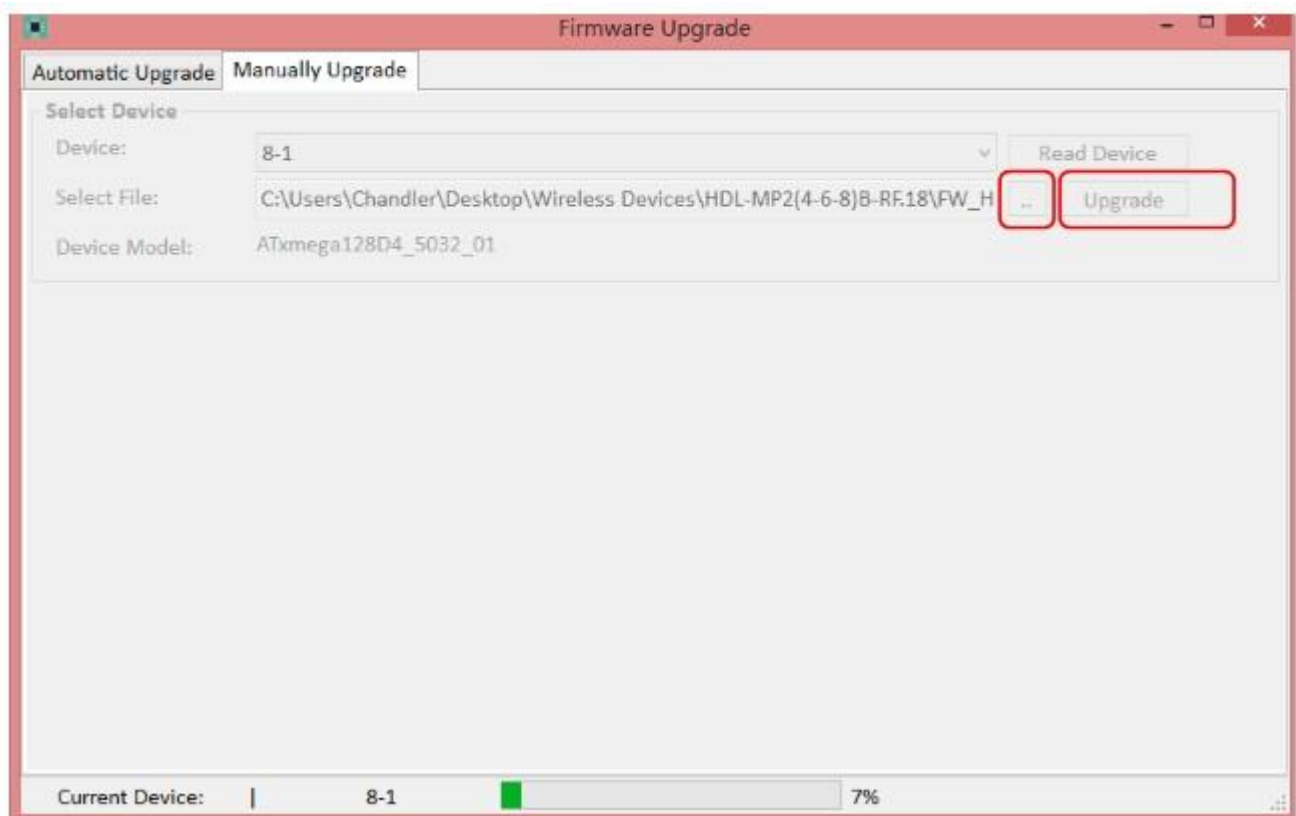
To enable the Gateway to communicate with the other Buspro wireless devices, the Gateway must first be put into 'Setup Mode'. To do this, the 'PROG' button must be pressed three times in rapid succession. If the 'Setup Mode' has been successfully activated, the Gateway's LED indicator will flash red, and the device ID will be shown in the 'Device' drop down list.



3.

To complete the software update, the file which contains the device update must be selected. This can be done by clicking on the small box tab containing two periods. When this box tab is clicked, a file navigation window will appear allowing the needed .bin file to be selected.

After this has been done select the 'Upgrade' tab, and the software update will be installed on the previously selected HDL Buspro wireless devices.



Attention: If an automatic software update is attempted, but the update progress bar stalls, it is recommended that the manual update process is used.