H1000 to MAP2 Controller

UPGRADE MANUAL

September 2020

FC CE
ICES-003

Table of Contents

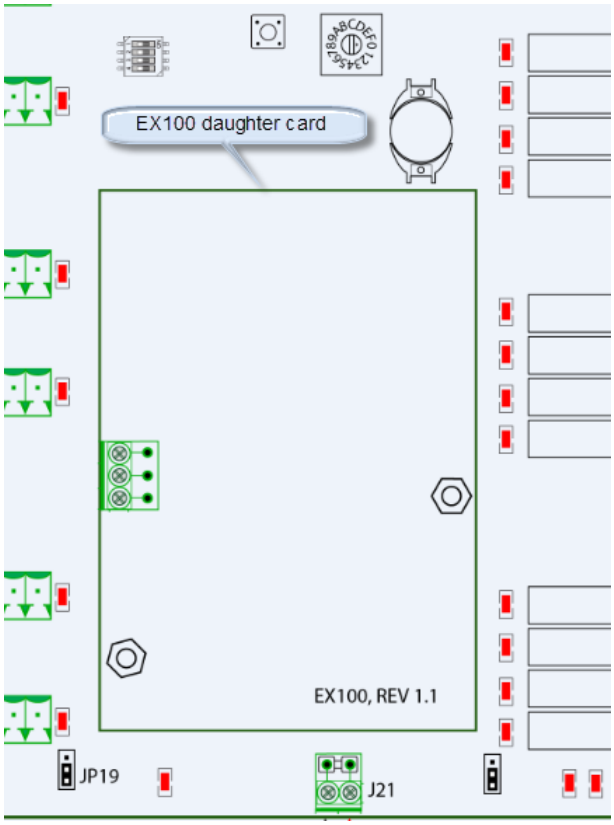
Introduction

This document describes the procedure of upgrading a H1000 Control Panel so it may be used with Cansec's **First Access** software. The user is required to update H1000 firmware and remove the EX1000 daughter before installing the MAP2 module onto the H1000 panel. Please read the complete document before attempting the upgrade in order to avoid procedural errors.

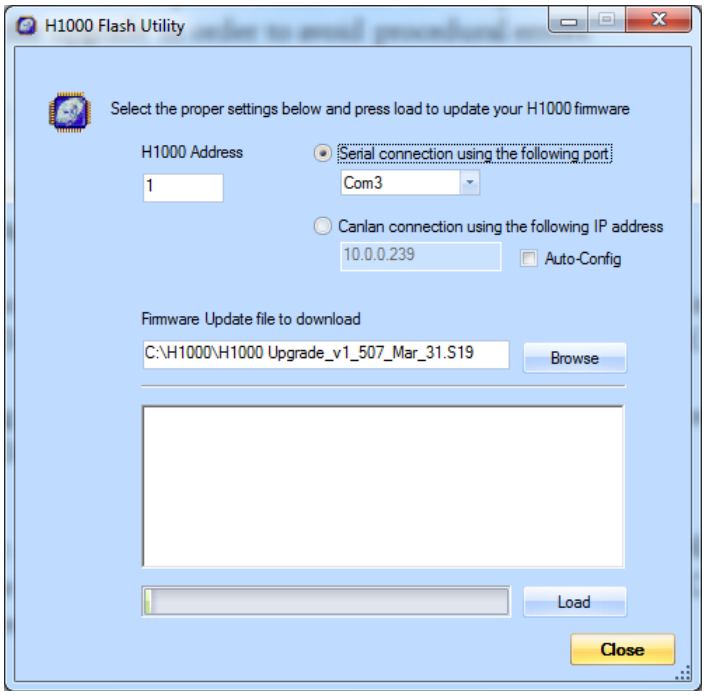
UPGRADE STEPS

Please use your existing communication device e.g. CLAUSB or Canlan for the firmware upgrade procedure.

1. **Do not** remove the EX100 daughter card from the H1000. Ensure the H1000 is powered 'ON', and that the Hurricane service is off.

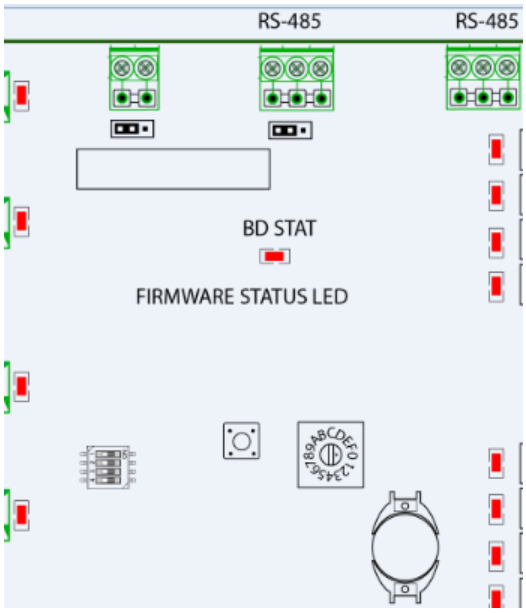


2. Using the H1000 Flash Utility, load the H1000 with firmware labeled H1000 Upgrade_v1_507_Mar_31.S19 and click **Load**.

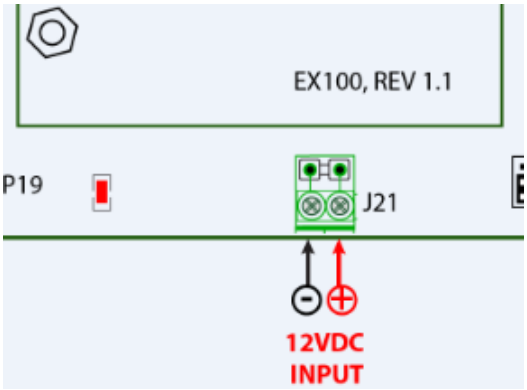


Note: *v1_507 is the latest version released on March 31, 2018. The version number and date may change over time. Please call Cansec and we will email you this file. It will also be available on our website.*

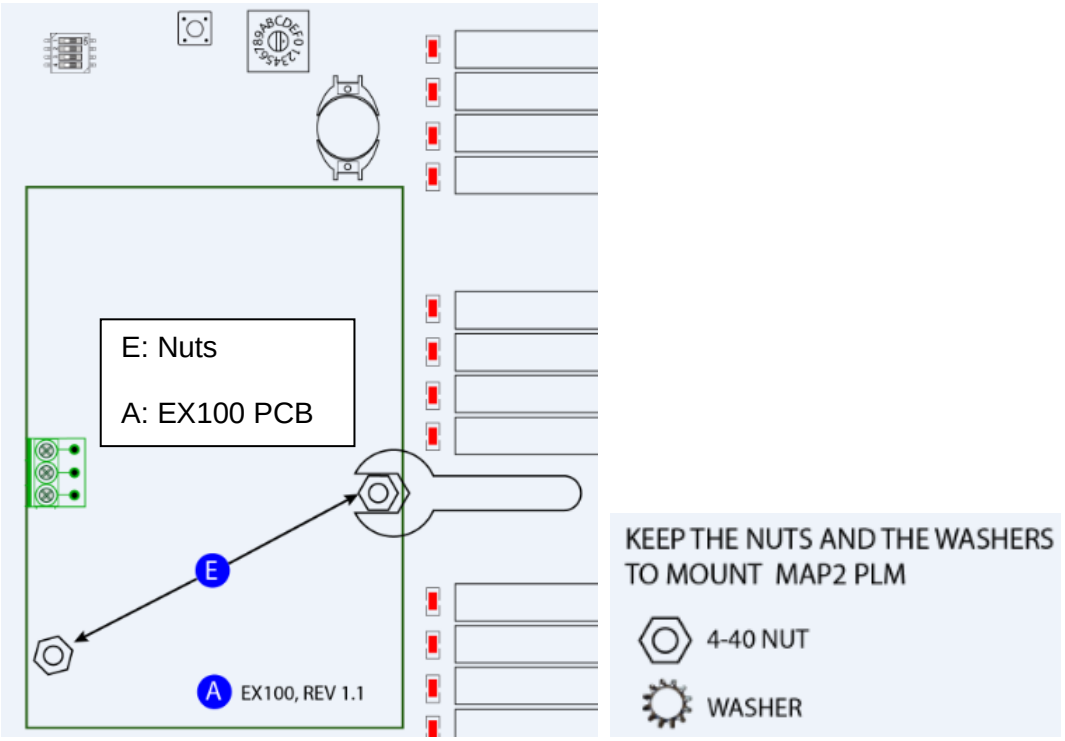
3. Wait for the firmware upgrade to complete and ensure that the H1000 'BD STAT' LED (Firmware Status) is flashing. This means the new firmware has been loaded correctly.



4. Power ‘OFF’ the H1000 by unplugging the J21 connector. This is a 2 pin connector which supplies the 12 VDC input to the H1000.



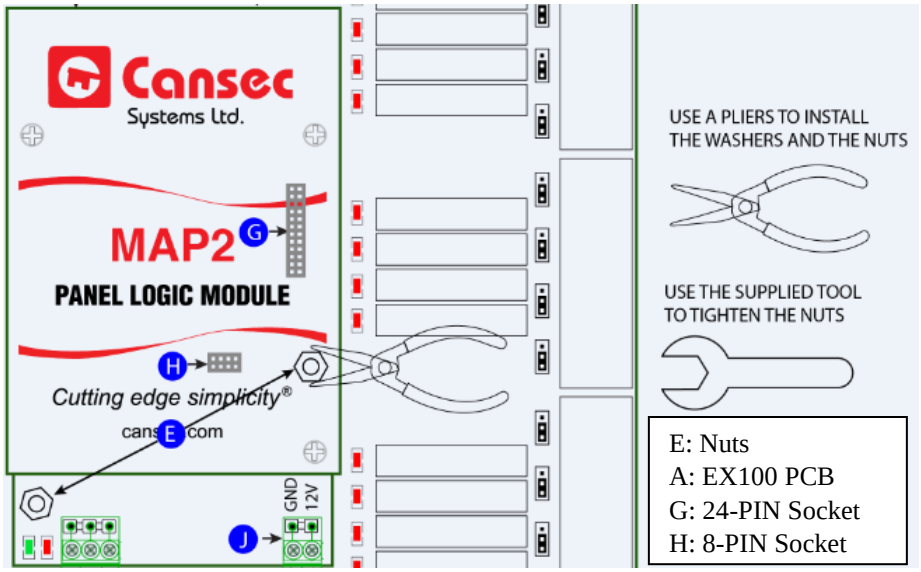
5. Remove EX100 daughter card PCB. The disassembly requires removing the two 4-40 hex nuts and their associated lock washers. Keep these as they will be used to mount the MAP2 module.



6. Mount the MAP2 module where the EX100 was on the H1000 PCB.

> **Note**: *The MAP2 module will be marked with the Door Provisioning of 0, 2, 4, 6 or 8 Doors. The MAP2 module will also have a sticker on the side indicating its MAC address and SID.*

7. Install the two 4-40 nuts and lock washers onto the MAP2 module. This will keep the board attached to the H1000 PCB.



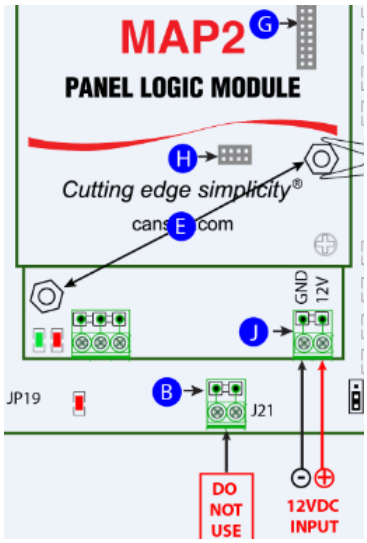
> **Note**: *Secure the exposed screw using the 4-40 nut and washer. The second 4-40 screw is only exposed from the side of the MAP2 module. It is very important to secure this screw with the 4-40 nut and washer. We have supplied a tool which will help with the process.*

8. Unplug the RS-485 communication connection to the H1000 PCB

9. Connect the RJ45 Network cable to the MAP2 module.

10. Apply power to the MAP2 Module.

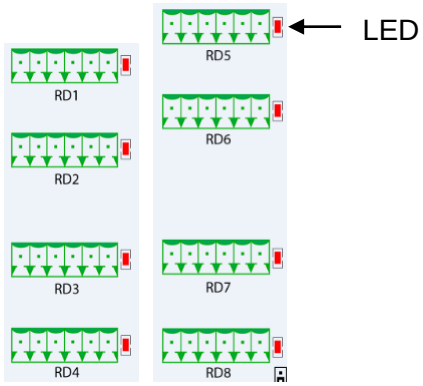
Note: *Power is no longer applied to the H1000 J21 power terminals, use the original H1000 power connector and simply move it to the 12 volt J2 power connector on the MAP2 module.*



E: Nuts
G: 24-PIN Socket
H: 8-PIN Socket
J: 12VDC Input
B: Do not use

11. Allow the MAP2 module to boot up. A single beep will indicate the boot up is complete.

Note: *The number of doors provisioned in the panel will be indicated by the number of reader port LED's turned red (RD1 to RD8). If LED is not turned on red then that door is not provisioned.*



12. Repeat steps 1 to 11 for other panels.

BEFORE AND AFTER THE UPGRADE