
**INSTRUCTIONS FOR UPGRADING AS1603.4 V2.XX SOFTWARE
TO AS4428.1 V3.XX SOFTWARE****General**

An F3200 or NDU fitted with AS1603.4 V2.XX software may be upgraded to AS4428.1 V3.XX software. V3.XX is not the latest AS4428 software (V4.00 has been released), however not all versions of controller board are capable of having V4.00 software installed, in which case, V3.XX software can be used and this document describes how to install it. Refer to PBG0123 for detail of V4.00 software and which version of controller board is required to run V4.XX software. If V4.00 software can be installed, then that should be preferred to V3.XX software and the installation procedure is described in LT0333. V3.XX software may be fitted to any board that currently uses V2.XX software.

Possible reasons for upgrading an AS1603 panel to AS4428 software are :

1. To get full AS4428.1 compliance.
2. To get partial AS4428.1 operation e.g. when connecting to a network which has other AS4428.1 panels.
3. To use new features of the 3.XX software.

If full AS4428.1 compliance is needed, then a new front panel and new controller board must be fitted that provide the AS4428.1 keypad and LEDs (refer to LT0254 for this).

V3.XX (or V4.XX) software can be fitted to an AS1603.4 type panel without changing the controller board or front panel, but the panel will not be compliant with AS4428.1. The "Keypad type" and "Legacy bells" options must be programmed accordingly (refer LT0256). Refer to LT0250 F3200 AS4428.1 Operator's manual section titled "Operating an F3200 with AS1603.4 Keyboard" for operational details.

LT0256 F3200 AS4428.1 Programming manual explains in the section titled "Installing V3.XX AS4428.1 Compliant Software in an AS1603.4 Panel" the programming changes that must be made when upgrading a V2.XX database to V3.XX or later software.

To upgrade an F3200 panel or NDU that is fitted with a 1931-84-1 Controller and V2.XX software to V3.XX software, one of the following needs to be ordered.

Std Panels: 1 X KT0271 KIT, F3200 FIP V2.XX TO V3.XX UPGRADE
Networked: 1 X KT0272 KIT, F3200 FIP V2.XX NET TO V3.XX NET UPGRADE
NDU: 1 X KT0273 KIT, NDU V2.XX TO V3.XX UPGRADE

These kits include V3.XX software, LT0250 F3200 AS4428.1 Operator's manual and these upgrade instructions.

Upgrade procedure

NOTE: Use anti-static (ESD) precautions when handling the controller board.

1. Ensure that the current database is saved on disk.
2. Ensure that the DATABASE Link Lk7 is in the WRITE PROTECT position and power down the panel.
3. Remove the V2.XX software chip from U2 and replace with the new V3.XX software. Ensure that it is orientated correctly and that all pins are correctly inserted (not bent underneath).

4. The links on the controller board need to be set according to the software fitted and the board type. For a 1931-111 Issue B or later controller board, refer to the accompanying LT0330 for the link settings to set on the controller board. For earlier board types, the links should be set as follows.

Lk1Not Fitted	Lk8	1-2
Lk3Not Fitted	Lk11	Not Fitted
Lk41-2	Lk12	Not Fitted
Lk5Not Fitted	Lk13	2-3
Lk62-3		

5. **IMPORTANT:** - cut out resistors R52 and R53 for the MAF/PSU, if fitted, and disconnect any extra battery test resistors that may be wired to J16/1 and J16/2.
6. Power-up the panel with the Database Link Lk7 in the WRITE PROTECT position.
7. Once the panel has re-started, move the Database Link Lk7 to the WRITE position and enter programming mode. Carry out any programming changes required, then save the database to disk.
8. Move the Database Link Lk7 to the WRITE PROTECT position and test the panel thoroughly. If the controller board is 1931-111 Issue B or later, then also ensure that LK20 Code write protect link is in the protect position.