



Technical Bulletin

March 2013 – Symmetry™ EN-1DBC v3.66 and EN-DBU 3.68

Symmetry™ EN-1DBC Single Door Controller v3.66

Symmetry™ EN-DBU Database Unit v3.68

Introduction

It is our policy to continually improve and update Symmetry controller firmware, adding innovative features and enhancements for system reliability, security, compatibility and more -based on customer feedback.

This update applies to the Symmetry EN-1DBC Single Door Controller and EN-DBU Database Unit.

Update Installation

Pre-Requirement: G4FlashNet Utility (version 1.10 or higher).

- 1) Stop the SMS services on the server machine.
- 2) Run G4Flash and select the node to update from the 'Located Nodes' list.
- 3) Browse for the firmware release folder and select the corresponding file from the 'Upgrade filenames' list:
STD_EN1DBC_23603_03.66.mot / HSE_EN1DBC_23609_03.66.mot
STD_ENDBU_23605_03.68.mot / HSE_ENDBU_23606_03.68.mot
- 4) Click 'Upgrade'
- 5) Wait for the upgrade process to finish and the new firmware version to be reported. DO NOT STOP THE PROCESS OR RESTART THE NODE.
- 6) Restart SMS services



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Overview

This has been released to provide the following changes:

- Firmware now correctly handles the ARP table for gateway addressing. This fixes communication problems where the node and Symmetry server are separated by a gateway (FP23045).
- On a configuration reset – three cold-starts within 30 seconds(1DBC)/60 seconds (DBU) – an EN-Node will only clear its IP address. All other configuration items (Host IP, Application Port and Default Gateway will be left intact).
- On a cold-start, EN-Nodes will no longer assume an IP address of 0.0.0.0, but will generate a 'link-local' IP address (169.254.X.Y) when no other address is available i.e. the node has not be programmed with an address and no DHCP server is available.

Note: In order for PC programs such as FlashNet and Symmetry to be able to communicate with an EN-Node that has a link-local address, the PC must be given a static route to the link-local subnet using the following Command Prompt command:

```
route ADD 169.254.0.0 MASK 255.255.0.0 <PC's IP address>
```

Without this static route, FlashNet will be able to 'see' a link-local EN-Node but will not be able to send a configuration.