

ELU3x firmware upgrade

INSTALLATION INSTRUCTIONS



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GENERAL

1.1

SCOPE

This installation instruction covers the ELU31, ELU33 and ELU34 extension line boards.

The extension line unit ELU31 (also called CFP, Common Fix Part) is a board for integrated Cordless DECT extensions. The board handles the connected DECT base stations (also called RFP, Radio Fix Part). The board handles all traffic to/from the DECT terminals via the base stations. Both the ELU31 board and the base stations can need upgrading of the firmware.

The extension line unit ELU33 is a board for digital system telephones, and ELU34 is a board for analog extensions.

The ELU31, ELU 33 and ELU34 are regarding FW download so called single version device boards (see the BRDID parameter).

The downloaded software will become passive on the board or device after the download. In order to make the software active, the administrator has to execute a switch-over, i.e. activate and confirm the FW, to make the passive version into the executing active version of software. It is not possible to change back.

The ELU31 firmware and the Base Station firmware, can be of several types, so make sure the right versions are used.

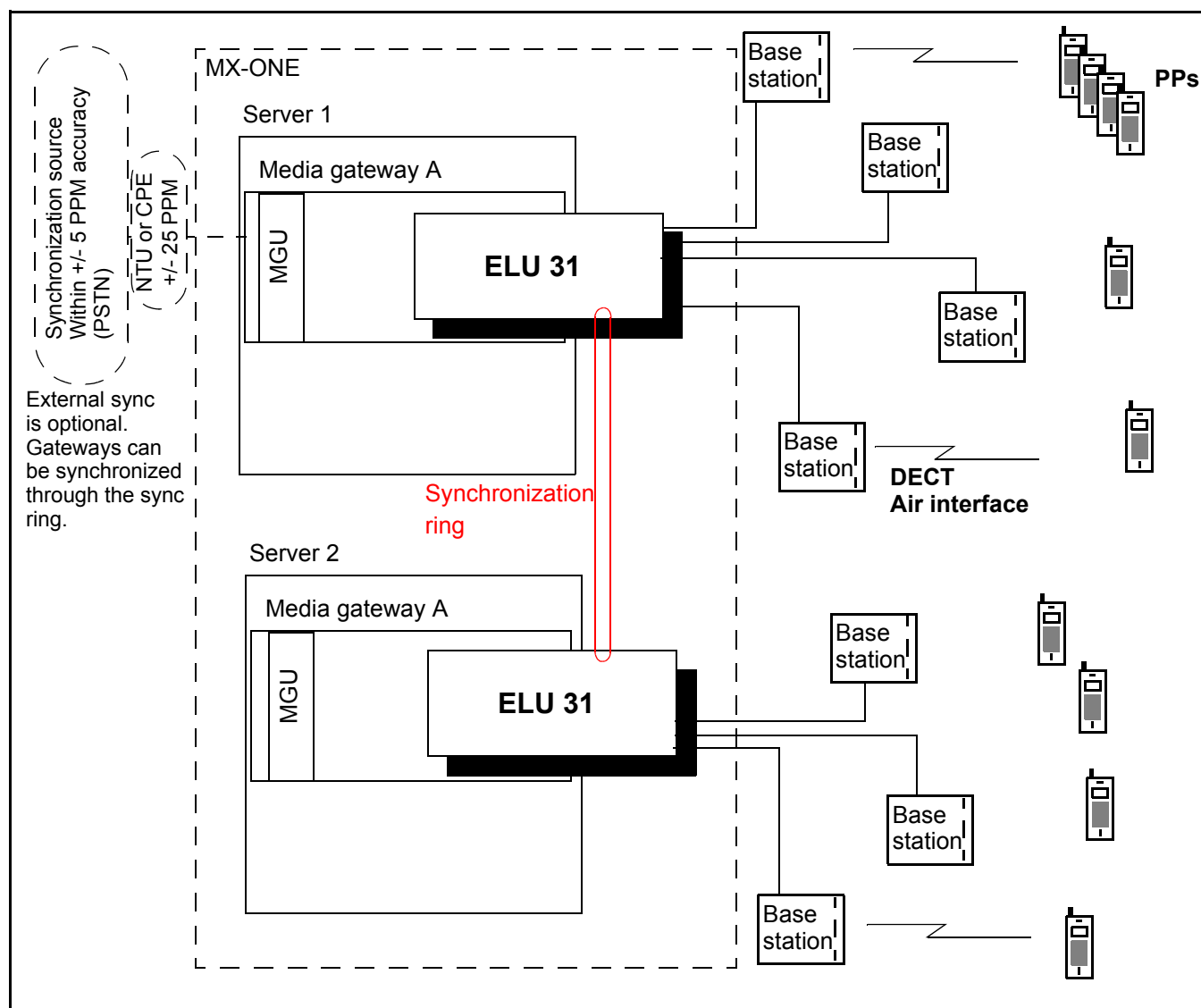


Figure 1: Configuration of a DECT system in a single MX-ONE node. The ELU31 board connects Cordless DECT phones via DECT Base Stations to the ASP 113 system.

For ELU33 and ELU34 no figure is shown.

2 AIDS

2.1 TOOLS

A PC connected to the local network with access to the SW server.
Proper administrator authority.

3 PREPARATIONS

3.1 DATA

The following data must be known to complete this instruction:

- The location of the software. It shall be located on a server (the Service Node server) on the Local Area Network (LAN).
- The ELU3x board position in the media gateway/LIM.

4 DELIVERY METHOD

The ELU3x FW program can be fetched to the board from a server on the LAN. The new software version should be located in revision directories in the ELU3x directory below the SW server root directory.

Specifically for the ELU31, the Base Station FW program can also be fetched to the Base Station from a server on the LAN. The software shall be located in revision directories in the ELU31 directory below the SW server root directory.

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PROCEDURE

5.1

SOFTWARE SERVER

The different ELU3x FW software and Base Station FW software revision directories are to be located in a directory straight under the HTTP server root directory (on the Service Node server, where the *board_sw* commands will be entered). The name of this directory is recommended to be something with ELU3x.

The FW files can be fetched from the *Mitel Knowledge Base* web page.

Note: Do not try to modify any of the unpacked files or to compile your own set of files.

A typical size of an ELU31 application program is in the order of 2-3 MBytes.

A typical size of an ELU33 application program is in the order of 0.1 MBytes.

A typical size of an ELU34 application program is in the order of 0.1 MBytes.

6 EXECUTION

6.1 UPDATE THE ELU31 SOFTWARE

To upgrade the ELU31 FW the following actions should be performed:

- 1) Make sure that the new software is in place on the SW server.
- 2) Check that the network configuration is correct. The ELU31 must be initialized in the system.
- 3) Block the ELU31 using the *block* command, see ADMINISTRATOR USER'S GUIDE, and make sure any traffic on the ELU31 board has ceased.
- 4) Download the ELU31 firmware from the SW server to the ELU31 board. Use a revision directory, as described in section 5. For example, the command could look as below, using the options **-load** and **-file**, and optionally the **-add** text string:

```
board_sw -load -mgw 1A -boardid 127 -add "ELU31_FW_R4A" -file  
/home/mduser/<filename>.BIN
```

- 5) If the loading was successful, activate the new firmware by entering:
board_sw -activate -mgw 1A (or with **-bpos** or **-boardid** plus **-lim**).
- 6) Confirm the new firmware to be the default choice. Enter the command *board_sw* with option **-confirm** plus **-bpos** , or **-boardid** and **-lim**.
- 7) Verify that the firmware is correct. Enter the command *board_sw* with option **-status**.

6.2 UPDATE THE DECT BASE STATION SOFTWARE

To upgrade the DECT Base Station FW the following actions should be performed:

- 1) Make sure that the new BS software is in place on the SW server.
- 2) Check that the network configuration is correct. The ELU31 that handles the base station must be initialized in the system.
- 3) Block the ELU31 board(s) using the *block* command, see ADMINISTRATOR USER'S GUIDE, and make sure any traffic on the ELU31 board has ceased.
- 4) Download the Base Station firmware from the SW server to the Base station from a revision directory, as described in section 5. Enter the command *board_sw*. Use the options **-load**, **-ind** and **-file** (and possibly **-add**). The parameter **-ind** indicates board individual, i.e. the RFP/Base Station number, so that parameter must match the RFP identity.

```
board_sw -load -mgw 1A -boardid 127 -add "ELU31BS_R1A" -file  
/home/mduser/<filename>.BIN
```

- 5) Activate the BS software by entering *board_sw -activate -mgw 1* (or **-bpos** or **-boardid** plus **-lim**)
- 6) Confirm the new firmware to be the default choice. Enter the command *board_sw* with option **-confirm** plus **-bpos** , or **-boardid** and **-lim**.
- 7) Verify that the firmware is correct. Enter the command *board_sw* with option **-status**.

6.3

UPDATE THE ELU33/ELU34 SOFTWARE

To upgrade the ELU33 or ELU34 FW the following actions should be performed:

- 1) Make sure that the new software is in place on the SW server.
- 2) Check that the network configuration is correct. The ELU33/ELU34 must be initialized in the system.
- 3) Block the ELU33/ELU34 using the *block* command, see ADMINISTRATOR USER'S GUIDE, and make sure any traffic on the ELU3x board has ceased.
- 4) Download the ELU33/ELU34 firmware from the SW server to the ELU board. Use a revision directory, as described in section 5. For example, the command could look as below, using the options **-load** and **-file**, and optionally the **-add** text string:

```
board_sw -load -mgw 1A -boardid 117 (or 118) -add "ELF3x_R4A" -file
/home/mduser/<filename>.BIN
```

- 5) If the loading was successful, activate the new firmware by entering:


```
board_sw -activate -mgw 1A (or with -bpos or -boardid plus -lim).
```
- 6) Confirm the new firmware to be the default choice. Enter the command *board_sw* with option **-confirm** plus **-bpos** , or **-boardid** and **-lim**.
- 7) Verify that the firmware is correct. Enter the command *board_sw* with option **-status**.

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TERMINATION

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