

ComBridge NCI – Firmware Update 2.0.0 **Application Note**

Topic

ComBridge NCI gateways from the ComBridge product range offer the possibility of an easy firmware upgrade without having to demount the devices. The update is performed via an integrated IP interface. Future developments or any adjustments that may be required can be easily imported via the IP connection.

This application note describes the process for updating a device.

Change tracking

Firmware version 2.0.0 released on 2021-10-20

Attention:

This update requires a new ETS database entry of version 2. Please note that after this update all data will be reset and the configuration must be parameterized again with the new ETS application.

New Feature:

- Assign IP connection data via ETS5
- Assign physical address of additional tunnel connection directly in ETS5
- New parameter in ETS to allow firmware update
- New parameter in ETS to enable webserver

Requirements for the firmware update

The firmware update is performed via IP. The device therefore needs to be integrated into an IP network. Once the power supply is connected, the device will be accessible via the IP preassigned with ETS. The actual update is performed via a connected PC with Windows XP, Win7.

Upgrade procedure

After the programme has been started the following entry window appears:



To start the upgrade, enter the IP address of the device that you would like to upgrade. Double-click on the displayed IP address (here 192.168.10.134) to open the entry field.



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You can now edit the IP address and ensure it is correctly set to the value required. Press the OK button to transfer the address to the main window. Before you start the upgrade, please select the type of upgrade you would like to perform from the pull-down menu. The following types are available:

- IPAS NCI Version unconditional or
- IPAS NCI Version partial

If you select _unconditional all data (ETS parameters, etc.) that may already be stored on the device are deleted and the physical address is re-set to 15.15.255. If you select the _partial upgrade type, the configuration data is preserved and the device does not have to be re-loaded with the ETS.

After you have selected the type you need, press the start button to begin the upgrade process

The upgrade tool first checks the current firmware version of the ComBridge NCI gateway and informs the user via an information window of the firmware version that has been used up to now.

After acknowledgement the firmware data are transferred to the device memory. A progress indicator informs about the current status of the transfer. Once the upgrade files have been successfully transferred, a device reset is required.

After the reset the device starts with the new firmware version.

Attention:

Set the ETS parameter to allow firmware updates.

Take care, due to security reasons, that this option is disabled again after firmware update has been executed.