

Guideline for version identification of GPS DIN rail time server 8029NTS for DIN rail mounting for downloading the correct firmware

In these times of dynamic changes technical solutions need to be developed on a regular basis.

As part of continuous development and as substantial components are no longer available on the market, the GPS DIN rail time server 8029NTS version 1.0 has been issued as GPS DIN rail time server 8029NTS-V2 (version 2.0) since 2016.

Version 1.0 and version 2.0 are function compatible but contain different firmware versions due to hardware changes.

To make sure to install the appropriate firmware version for your device version please verify if you are currently using the GPS DIN rail time server 8029NTS version 1.0 or GPS DIN rail time server 8029NTS-V2 (version 2.0) by using this guideline.



Firmware for version 1.0 and version 2.0 of the GPS DIN rail time server 8029NTS is not compatible with each other!

In case of installation of an incorrect firmware version your clock system needs to be repaired at *hopf* Elektronik GmbH at your cost!



For the purposes of a firmware update of your clock system please have a look at the technical description of your clock system.

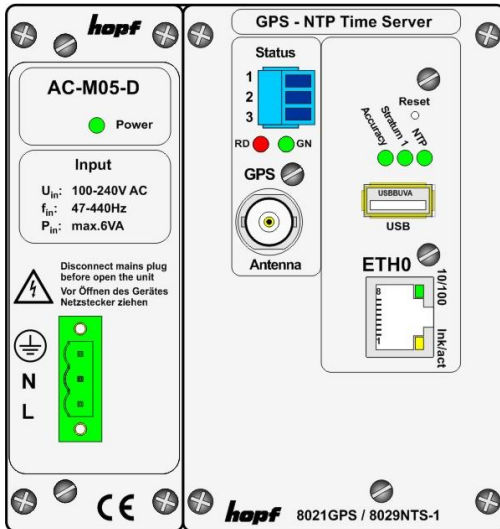
1 Information regarding the designation of the versions

- The designation "**version 1.0**" further corresponds to the clock system **8029NTS/GPS**.
- The designation "**version 2.0**" further corresponds to the clock system **8029NTS-V2/GPS**.

2 System identification on the device

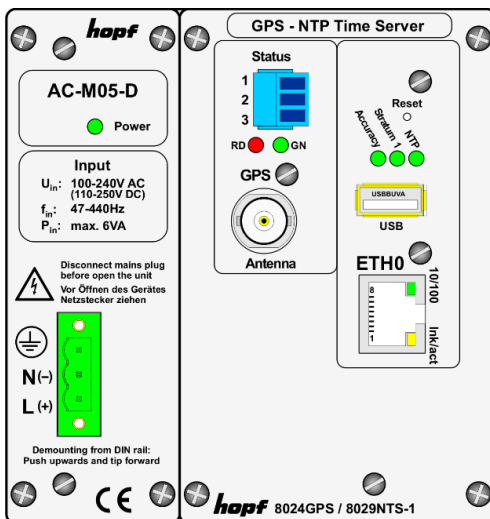
2.1 imprint on front panel

8029NTS/GPS:



The front panel is marked with "8021GPS"

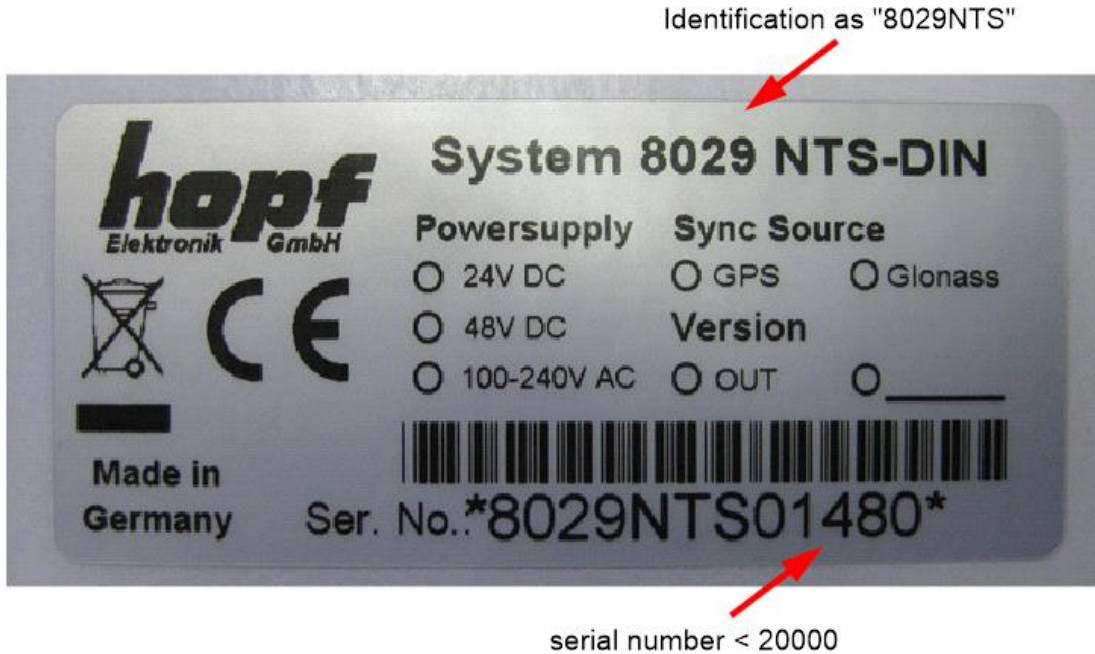
8029NTS-V2/GPS:



The front panel is marked with "8024GPS"

2.2 type plate on the side of the housing

8029NTS/GPS:



8029NTS-V2/GPS:



3 System identification via WEB interface

8029NTS/GPS:

Identification as "8029NTS"

The screenshot shows the web interface for the GPS NETWORK TIME SERVER 8029NTS. The title bar includes the hopf logo, a navigation menu (General, Network, NTP, Alarm, Device, GPS Sync Source), and the server name. The main content area is divided into several sections:

- NTP Time Status:** A table with columns DATE, TIME, STRATUM, and ACCURACY. The values are: DATE: 23.07.2012, TIME: 12:39:24 UTC, STRATUM: 1, ACCURACY: HIGH.
- Sync Source Status:** A box showing SYNCHRONIZATION: R (SYNC).
- Login:** A form with fields for Username and Password, and a Login button. Below the form, it says "User is not logged in."
- System Overview:** A list of status indicators: Sync Source OK, Announcement leap second inactive, Announcement STD ⇔ DST inactive, NTP is running, NTP has stratum 1, and NTP accuracy is HIGH.

8029NTS-V2/GPS:

Identification as "8029NTS-V2"

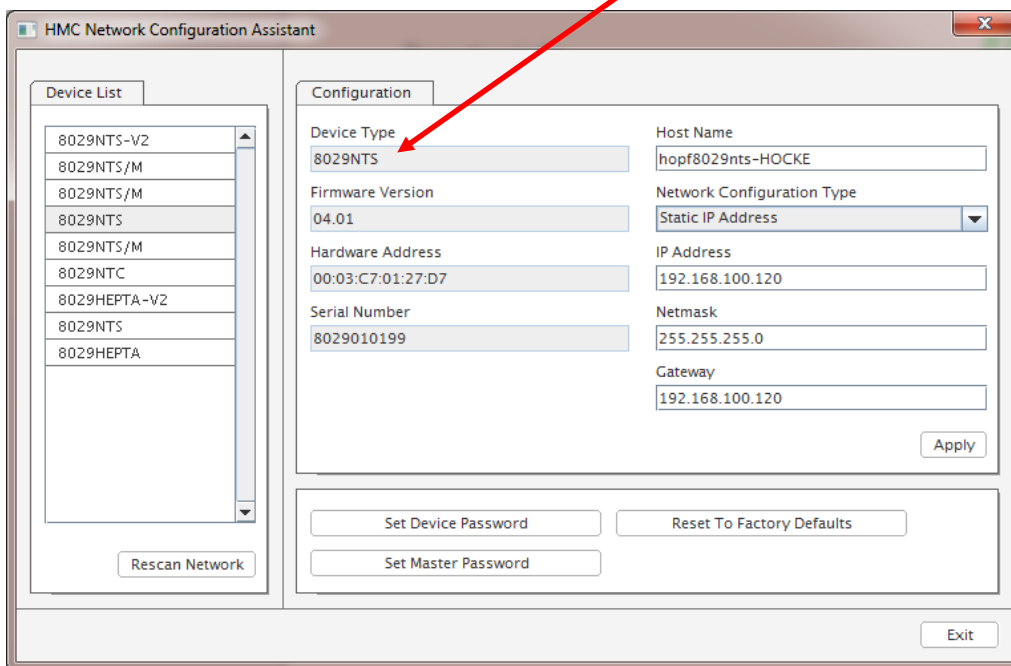
The screenshot shows the web interface for the GPS NETWORK TIME SERVER 8029NTS-V2. The title bar includes the hopf logo, a navigation menu (General, Network, NTP, Alarm, Device, GPS Sync Source), and the server name. The main content area is divided into several sections:

- NTP Time Status:** A table with columns DATE, TIME, STRATUM, and ACCURACY. The values are: DATE: 17.03.2016, TIME: 09:55:10 UTC, STRATUM: 1, ACCURACY: HIGH.
- Sync Source Status:** A box showing SYNCHRONIZATION: R (SYNC).
- Login:** A form with fields for Username and Password, and a Login button. Below the form, it says "User is not logged in."
- System Overview:** A list of status indicators: Sync Source ERROR, Announcement leap second inactive, Announcement STD ⇔ DST inactive, NTP is running, NTP has stratum 1, and NTP accuracy is HIGH.

4 System identification with *hmc* software, network configuration assistant

8029NTS/GPS:

Identification as "8029NTS"



8029NTS-V2/GPS:

Identification as "8029NTS-V2"

