

Guideline for version identification of GPS time server 8029HEPTA for 19" rack mounting (1RU) 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 time server 8029HEPTA version 1.0 has been issued as GPS time server 8029HEPTA-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 time server 8029HEPTA version 1.0 or GPS time server 8029HEPTA-V2 (version 2.0) by using this guideline.



Firmware for version 1.0 and version 2.0 of the GPS time server 8029HEPTA 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 **8029HEPTA/GPS**.
- The designation "**version 2.0**" further corresponds to the clock system **8029HEPTA-V2/GPS**.

2 System identification on the device

2.1 imprint on front panel

Both, version 1.0 and version 2.0 show the same type designation "8029HEPTA/GPS" on the front panel.

8029HEPTA/GPS and 8029HEPTA-V2/GPS



type plate of clock system 8029HEPTA/GPS



serial number < 20000

type plate of clock system 8029HEPTA-V2/GPS:

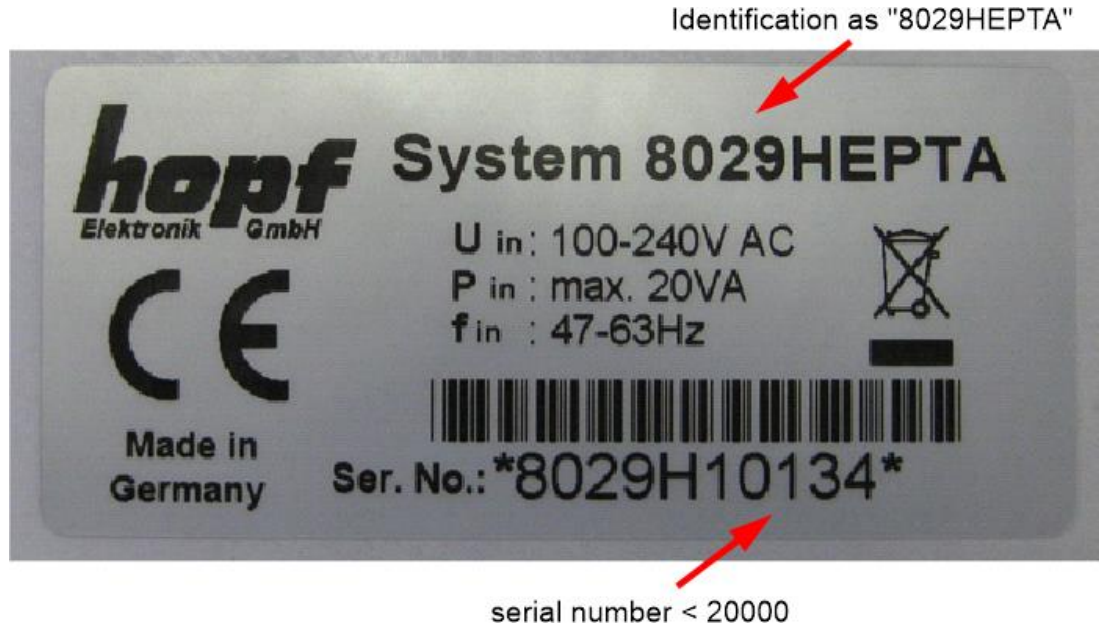


serial number \geq 20000

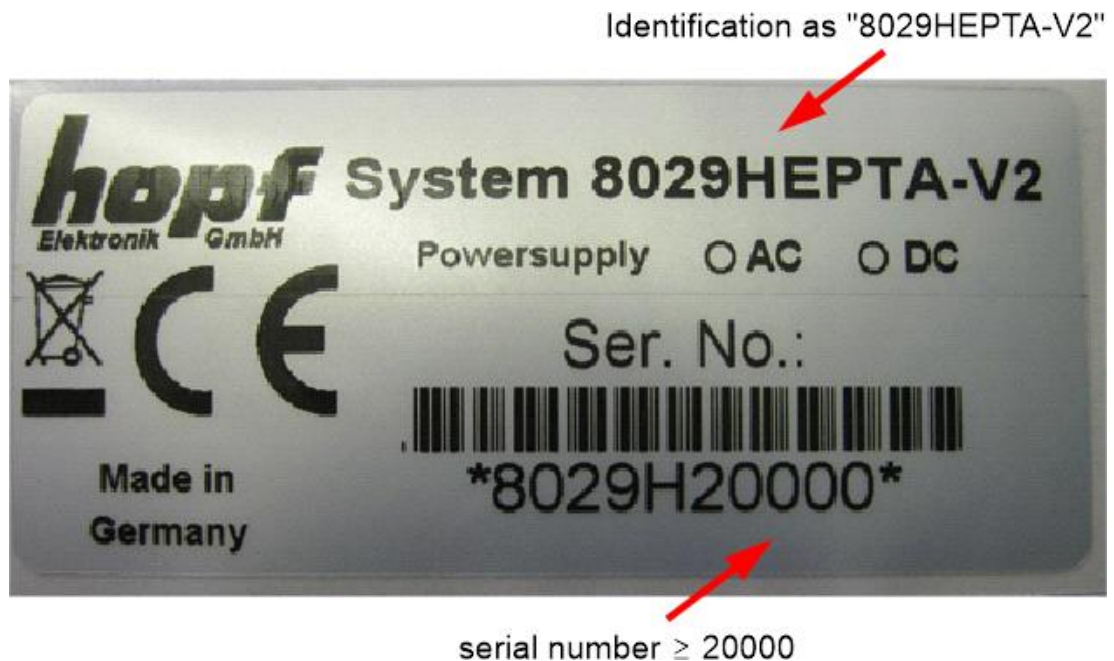
as well as the identification code "V2"

2.2 type plate fixed on top of the housing (housing cover)

8029HEPTA/GPS:




8029HEPTA-V2/GPS:




2.3 Display indicator after switching on or rebooting the device

8029HEPTA/GPS:



```
hopf 8029HEPTA/GPS : Booting...
Status-LEDs (Front): LED-Test active
```

8029HEPTA-V2/GPS:



```
hopf 8029HEPTA_V2/GPS : Booting...
Status-LEDs (Front): LED-Test active
```

3 System identification via WEB interface

8029HEPTA/GPS:

Identification as "8029HEPTA"

GPS NETWORK TIME SERVER 8029HEPTA

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General Network NTP Alarm Device GPS Sync Source

NTP Time Status

DATE	TIME	STRATUM	ACCURACY
14.10.2013	08:05:48 UTC	1	HIGH

Sync Source Status

SYNCHRONIZATION: R (SYNC)

Login

Username:

Password:

Login

User is not logged in.

System Overview

- Sync Source OK
- Announcement leap second inactive
- Announcement STD ⇔ DST inactive
- NTP is running
- NTP has stratum 1
- NTP accuracy is HIGH

8029HEPTA-V2/GPS:

Identification as "8029HEPTA-V2"

GPS NETWORK TIME SERVER 8029HEPTA-V2

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General Network NTP Alarm Device GPS Sync Source

NTP Time Status

DATE	TIME	STRATUM	ACCURACY
07.03.2016	09:12:51 UTC	1	HIGH

Sync Source Status

SYNCHRONIZATION: R (SYNC)

Login

Username:

Password:

Login

User is not logged in.

System Overview

- Sync Source OK
- Announcement leap second inactive
- Announcement STD ⇔ DST inactive
- NTP is running
- NTP has stratum 1
- NTP accuracy is HIGH

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

8029HEPTA/GPS:

Identification as "8029HEPTA"

The screenshot shows the HMC Network Configuration Assistant interface. On the left, the 'Device List' pane contains a scrollable list of device types: 8029NTS-V2, 8029NTS/M, 8029NTS, 8029HEPTA-V2, and 8029HEPTA. The '8029HEPTA' entry is selected. A red arrow points from the text above to this entry. The main 'Configuration' pane displays the following fields: Device Type (8029HEPTA), Host Name (hopf8029hepta-HOCKE-7614), Firmware Version (05.01), Network Configuration Type (Static IP Address), Hardware Address (00:03:C7:01:2C:E4), IP Address (192.168.100.127), Serial Number (8029011492), Netmask (255.255.255.0), and Gateway (192.168.100.1). Buttons for 'Set Device Password', 'Reset To Factory Defaults', 'Set Master Password', 'Apply', and 'Exit' are visible.

8029HEPTA-V2/GPS:

Identification as "8029HEPTA-V2"

The screenshot shows the HMC Network Configuration Assistant interface. On the left, the 'Device List' pane contains a scrollable list of device types: 8029NTS-V2, 8029NTS/M, 8029NTS, 8029HEPTA-V2, and 8029HEPTA. The '8029HEPTA-V2' entry is selected. A red arrow points from the text above to this entry. The main 'Configuration' pane displays the following fields: Device Type (8029HEPTA-V2), Host Name (hopf8029nts), Firmware Version (06.00), Network Configuration Type (Static IP Address), Hardware Address (00:03:C7:01:2D:FE), IP Address (192.168.180.102), Serial Number (8029011774), Netmask (255.255.252.0), and Gateway (192.168.180.1). Buttons for 'Set Device Password', 'Reset To Factory Defaults', 'Set Master Password', 'Apply', and 'Exit' are visible.