

R&S®HA-Z24E

External Preamplifier

Release Notes

Software Version V1.00

These Release Notes are for the R&S®HA-Z24E order no. 1331.6539K85.

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The following abbreviations are used throughout this document:
R&S®HA-Z24E is abbreviated as HA-Z24E.

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1 Current Version and History

1.1 New Functions

The following table lists the new functions and indicates the version in which the new function was introduced:

New functions of Software V1.00

Version	Function
V1.00	Support of R&S HA-Z24E order no. 1331.6539.85

1.2 Known Issues

The following table lists the known issues and indicates since which version the issue could be observed:

since	Function
	None

1.3 Modifications to the Documentation

The latest documentation is available for download from the Rohde & Schwarz website at: <https://www.rohde-schwarz.com/manual/ha-z24e>

2 Software Usage

The software provided with the `HA-Z24E-Tool.exe` file allows you to read out the touchdown (`.S2P`) file for an R&S HA-Z24E from a PC. The touchdown file contains level and phase correction values over frequency for the connected R&S HA-Z24E.

2.1 Prerequisites

A Windows7 or Windows10 PC with the 64-bit version of the operating system is required.

Installing the driver on the PC

Install the driver on the PC *before* connecting the R&S HA-Z24E to the USB ports.

1. Download the `HA-Z24E_V1.00.zip` file from the R&S web page (<https://www.rohde-schwarz.com/product/ha-z24e>).
2. Unzip the file, it contains the `HA_Z24E-1.06.msi` driver and the `HA-Z24E-Tool.exe` software.
3. Start the `HA_Z24E-1.06.msi` file on the PC to install the driver.
In case the Windows user account does not have sufficient rights:
 - a) Search for the command line tool `CMD`.
 - b) Right-click the tool and select the “Run as Administrator” option.
 - c) Start the `HA_Z24E-1.06.msi` file from there.

Connecting the R&S HA-Z24E to the PC

Two free USB ports are required on the PC to connect the R&S HA-Z24E.

Do not connect multiple R&S HA-Z24E preamplifiers to the same PC at the same time.

- ▶ Connect the R&S HA-Z24E to the USB ports using the provided cables.

2.2 Starting the Firmware

Ensure the prerequisites described above are carried out before starting the software.

- ▶ Run the `HA-Z24E-Tool.exe` from any directory.

The software uses the installed driver and reads out the touchdown (`.S2P`) file from the EEPROM of the R&S HA-Z24E. The file is stored in the same directory the software was started from. The name of the file is `HA-Z24E.S2P`.

If the software recognizes and can read out the touchdown file, the DOS `ERRORLEVEL` returns the value 0.

In case any error occurs, for example, R&S HA-Z24E is not connected, driver is not installed, the DOS `ERRORLEVEL` returns the value 1. The file `HA-Z24E.S2P` contains an error message.

3 Customer Support

Technical support – where and when you need it

For quick, expert help with any Rohde & Schwarz equipment, contact one of our Customer Support Centers. A team of highly qualified engineers provides telephone support and will work with you to find a solution to your query on any aspect of the operation, programming or applications of Rohde & Schwarz equipment.

Up-to-date information and upgrades

To keep your instrument up-to-date and to be informed about new application notes related to your instrument, please send an e-mail to the Customer Support Center stating your instrument and your wish. We will take care that you will get the right information.

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