

ROHDE & SCHWARZ

Make ideas real



R&S®PR200 OPERATOR TRAINING COURSES

Product Flyer | Version 01.00

The fast-paced developments in wireless communications have increased the number of wireless devices worldwide and created high demand for wireless connectivity anytime and anywhere. Faulty, poorly shielded or incorrectly configured electronic devices can unintentionally emit electromagnetic waves and degrade network performance or even disrupt radiocommunications. Consequently, the building or specific room in a building where the radio interference is originating need to be quickly located. Unfortunately, the buildings of interest are often in densely built-up areas. Successful interference hunting and mitigation requires more than operator experience and technique – proper use of the tools and techniques are just as important.



DESCRIPTION

The operator training courses for the R&S®PR200 range from eTraining to virtual classroom training sessions, theory lessons and practical exercises. They cover most of the important topics users need to effectively carry out their tasks. Two types of courses were developed and participants are free to select the type that fits best to their training needs. Web based or classroom based training sessions are offered. If participants are scattered geographically or need to pick and choose the time and place where they want to take a course, our web based training courses are right for them. For those who prefer learning by interacting in a group and fully focusing on learning without distraction, classroom-based training sessions are best.

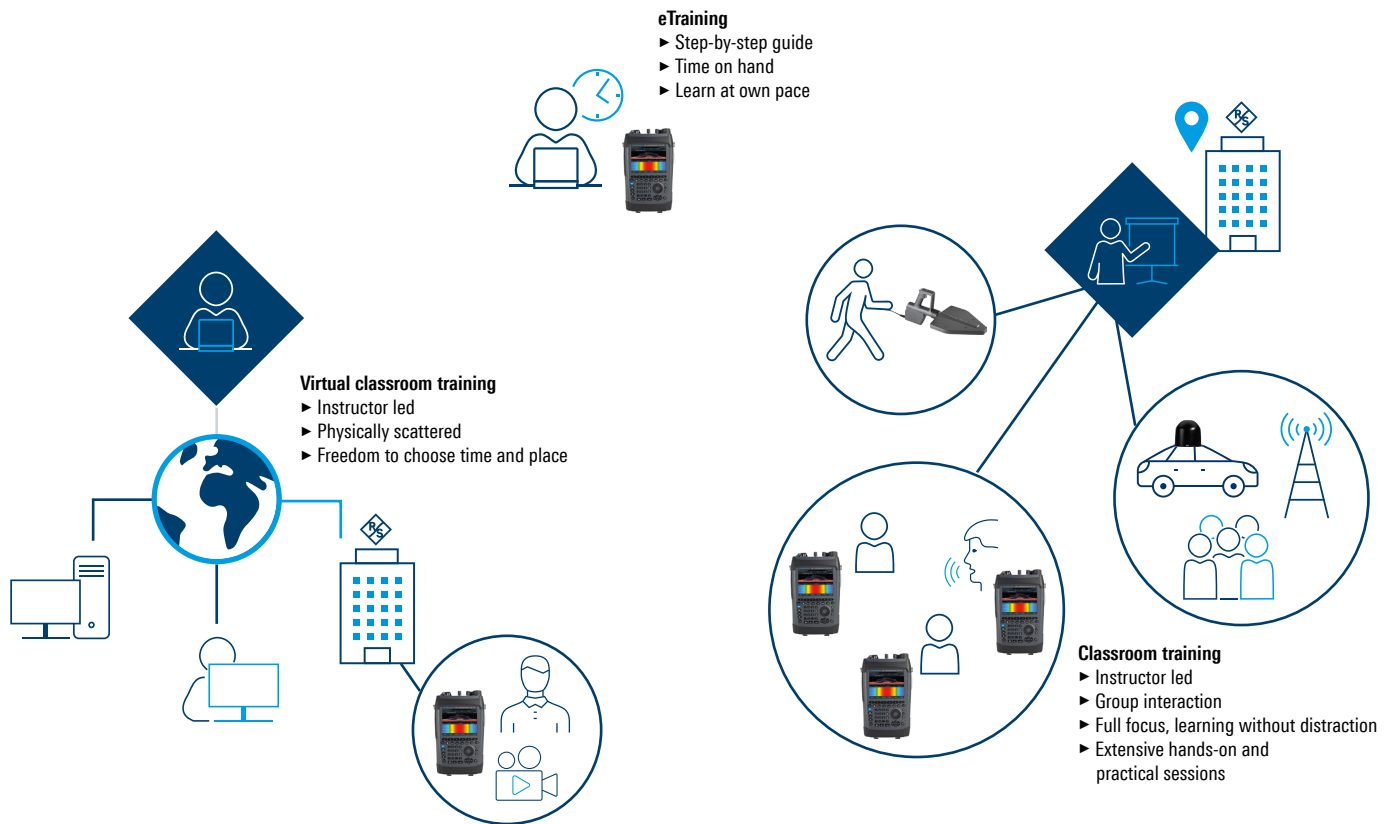
Participants learn how to configure the R&S®PR200 and use its scanning and spectrum measurement functions to detect signals of interest. They will also learn to use the real-time capabilities and related functions to characterize signal parameters. They also have the option of using the R&S®HE400 handheld directional antenna to localize sources of interference by homing and by triangulation. For automatic direction finding, the participants will additionally learn how to configure and set up the R&S®PR200, the R&S®ADD107, the R&S®ADD207 or the R&S®ADD307

compact DF antenna. Last but not least, another option includes learning how to use R&S®MobileLocator software to automatically localize interference signals from a vehicle.

Courses are mostly instructor-led with an interactive approach. The instructor uses a mixture of question and answer sessions, continuous assessment and a final exam to ensure an effective knowledge transfer. For classroom trainings, extensive hands-on exercises for all functions enhance device familiarity and knowledge. In virtual classroom sessions, the modules are available in several web sessions with a trainer who uses a demo to teach the participants how to use the R&S®PR200. The participants can ask questions or share their screen/desktop at any time. In eTraining sessions, participants can log on to their PC to access step-by-step guided exercises online and repeat them with their R&S®PR200 at their convenience. The eTraining sessions are available and accessible for up to 12 weeks after the participant's initial log-on. All participants who signed up for the course are awarded a certificate at the completion of each course.

COURSE OVERVIEW

R&S®PR200 web based operator trainings			
Course title	Target audience	Objective	Duration
R&S®PR200 web based operator training module 1: receiver operations	Operators of the R&S®PR200	Participants configure and operate the R&S®PR200 as a receiver.	<ul style="list-style-type: none"> ▶ 4 eTrainings ▶ Each eTraining session lasts approx. 60 min.
R&S®PR200 web based operator training module 2: operations with the R&S®HE400	Operators of the R&S®PR200 with R&S®HE400	Participants configure and operate the R&S®HE400 together with the R&S®PR200 and are able to localize a signal source.	1 h
R&S®PR200 web based operator training module 3: direction finder operations	Operators of the R&S®PR200 with an R&S®ADDx07 DF antenna	Participants shall have at least one R&S®PR200, R&S®ADDx07 and the required accessories available for practical exercises.	1 h
R&S®PR200 web based operator training module 4: operations with R&S®MobileLocator	Operators of the R&S®PR200 with R&S®MobileLocator	Participants can setup, configure and operate R&S®MobileLocator in a vehicle and are able to localize a signal source.	1 h
Notes: <ul style="list-style-type: none"> ▶ Module 1: Participants need to log on to their PC to gain access to the step-by-step guided exercises online. ▶ Modules 2 to 4: Participants need to log on to their PC to gain access to the virtual classroom training sessions that are transmitted live from the Rohde&Schwarz training center. These modules allow multiple users to sign in at the same time and were designed for a maximum of eight participants. Additional charges apply for each additional participant. 			



We use an established knowledge framework. To benefit from the courses, you should know the basics of receivers and direction finding. To gain the most from the web based training sessions, learners should complete the training modules in order.

The training modules are designed and crafted so that the learner builds on their knowledge of the device as each one is completed.

R&S®PR200 classroom operator training sessions

Course title	Target audience	Objective	Duration
R&S®PR200 classroom operator training: receiver operations and operations with the R&S®HE400	Operators of the R&S®PR200 with the R&S®HE400	Participants can configure and operate the R&S®PR200 and the R&S®HE400 and are able to localize a signal source.	1 day
R&S®PR200 classroom operator training: receiver operations and operations with the R&S®HE400, direction finder as well as R&S®MobileLocator	Operators of the R&S®PR200 with the R&S®HE400, the R&S®ADDx07 DF antenna and R&S®MobileLocator	Participants can configure and operate the R&S®PR200 with the R&S®HE400, the R&S®ADDx07 and with R&S®MobileLocator. They can install the system in a vehicle and localize a signal source.	2 days

Notes:

- ▶ The R&S®PR200 classroom operator trainings are conducted at the Rohde&Schwarz GmbH&Co. KG training center in Munich, Germany.
- ▶ A maximum number of six participants is set for the courses. Additional charges apply for each additional participant.
- ▶ Coffee breaks and lunch, training materials, trainer and equipment rental are included.
- ▶ Participant travel expenses and accommodations are not included.
- ▶ For courses in foreign countries or outside of Rohde&Schwarz GmbH&Co. KG premises or with special requirements not covered by the standard training description/syllabus, please contact your local sales team.

COURSE SYLLABUS

Course title	Description
R&S®PR200 web based operator training module 1: receiver operations	Participants learn how to start the R&S®PR200 and configure it for measurement tasks. They use R&S®PR200 demodulation, spectrum measurement and scanning functions to detect, receive and identify radio signals. The eTraining sessions include step-by-step guided exercises which the participants can repeat with their R&S®PR200.
R&S®PR200 web based operator training module 2: operations with R&S®HE400	Participants learn how to identify a radio signal in the spectrum by scanning and in fixed frequency modes. They will use the R&S®HE400 handheld directional antenna to localize sources of radio signals homing and by triangulation. The participants perform practical exercises in parallel with the demonstration.
R&S®PR200 web based operator training module 3: direction finder operations	Participants will learn how to identify a radio signal in the spectrum by scanning and in fixed frequency mode. They will use the DF antenna in a stationary or deployable setup to localize sources of radio signals by triangulation. The participants perform practical exercises in parallel with the demonstration.
R&S®PR200 web based operator training module 4: operations with R&S®MobileLocator	Participants will learn how to identify a radio signal in the spectrum by scanning and using the graphical user interface of the R&S®MobileLocator in fixed frequency mode. They will install the DF antenna, the direction finder and the PC with R&S®MobileLocator in a vehicle. They will configure R&S®MobileLocator for the actual measurements and learn strategies for localizing sources of radio signals.
R&S®PR200 classroom operator training: receiver operations and operations with R&S®HE400	Participants will learn how to set the R&S®PR200 into operation and how to configure it for the actual measurement task. In practical exercises, they will use the scanning, spectrum measurement and demodulation functions of the R&S®PR200 to detect and identify radio signals. The participants will use the R&S®HE400 handheld directional antenna to localize sources of radio signals by homing and by triangulation. They will practice the use and handling of the R&S®HE400 in hands-on exercises indoors and outdoors.
R&S®PR200 classroom operator training: receiver operations and operations with the R&S®HE400, direction finder as well as R&S®MobileLocator	Participants will learn how to start up the R&S®PR200 and configure it for the actual measurements. In practical exercises, they use the scanning, spectrum measurement and demodulation functions of the R&S®PR200 to detect and identify radio signals. The participants will use the R&S®HE400 handheld directional antenna to localize sources of radio signals by homing and by triangulation. They will practice the use and handling of the R&S®HE400 with hands-on exercises indoors and outdoors. The participants will learn how to identify a radio signal in the spectrum by scanning and using the graphical user interface of the R&S®MobileLocator in fixed frequency mode. They will install R&S®MobileLocator on the R&S®ADDx07, the R&S®PR200 and the PC in a vehicle and start the equipment. They will configure R&S®MobileLocator for the actual measurement task and learn strategies how for localizing sources of radio signals. Extensive hands-on exercises on all functions enhance the knowledge.

ORDERING INFORMATION

Designation	Type	Order No.
R&S®PR200 web based operator training module 1 ¹⁾	R&S®WT-PR200-1	3665.6866.02
R&S®PR200 web based operator training module 2	R&S®WT-PR200-2	3665.6743.02
R&S®PR200 web based operator training module 3	R&S®WT-PR200-3	3665.6737.02
R&S®PR200 web based operator training module 4	R&S®WT-PR200-4	3665.6720.02
Standard R&S®PR200 classroom operator training	R&S®CT-PR200ST	3665.6714.02
Extended R&S®PR200 classroom operator training	R&S®CT-PR200EX	3665.6708.02

¹⁾ Available from January 2021.

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