

RTX457

Mobile Avalanche Training System

ONE SYSTEM
COUNTLESS TRAINING LOCATIONS





AVALANCHE TRANSCIEVER TRAINING WHEREVER IT IS NEEDED

Mobile and versatile.

Quick to set up.

Suitable for all training levels.

Training locations, group sizes and learning objectives vary. The RTX457 is easy to transport and can be set up quickly on site.

Each buried transmitter is controlled individually using the remote control unit. This allows every exercise to be tailored to the training objective—from an initial avalanche transceiver search to a challenging multiple-burial scenario.

ONE SYSTEM

MANY APPLICATIONS

From avalanche transceiver workshops to professional training, the RTX457 can be used flexibly on site by a wide range of user groups.



MOUNTAIN RESCUE

Practise a variety of search and rescue scenarios under realistic conditions.



MOUNTAIN GUIDES & SKI SCHOOLS

Easily integrate avalanche transceiver training into courses and training programmes.



ALPINE HUTS & TRAININGS CENTERS

Set up a mobile training area wherever it is needed.

FOR DIFFERENT TRAINING OBJECTIVES

Practise simple and complex burial scenarios under realistic conditions.



REALISTIC TRAINING EASY OPERATION

Up to 300 m range

The transmitters can be controlled reliably, even over long distances.

Control each transmitter individually

Set up specific scenarios and modify them during the exercise.

Automatic probe-hit detection

A hit on the probing surface is confirmed visually and acoustically on the remote control unit.

Constant transmission field strength

Consistent training conditions throughout the entire battery life.

Single and multiple burials

From simple search exercises to complex training scenarios.

Quick to set up

Rugged, battery-powered design for flexible use in the field.

TRUSTED BY PROFESSIONALS FOR TRAINING AND EDUCATION

The RTX457 is used by mountain rescue organisations, mountain guides, training centres and other alpine professionals for flexible, realistic avalanche transceiver training.

CUSTOMER FEEDBACK

„Rugged, easy to operate and simple to transport“

For our training courses and examinations, we rely on dependable training transmitters. The RTX457 allows us to practise a variety of search scenarios quickly, efficiently and professionally—even away from ski areas.

Markus Hirnböck

Alpenschule Saalfelden am Steinernen Meer / Österreich

SELECTED USERS

AVS Mountain Rescue, South Tyrol

Florian Wechselberger, Mountain Guide, Zillertal

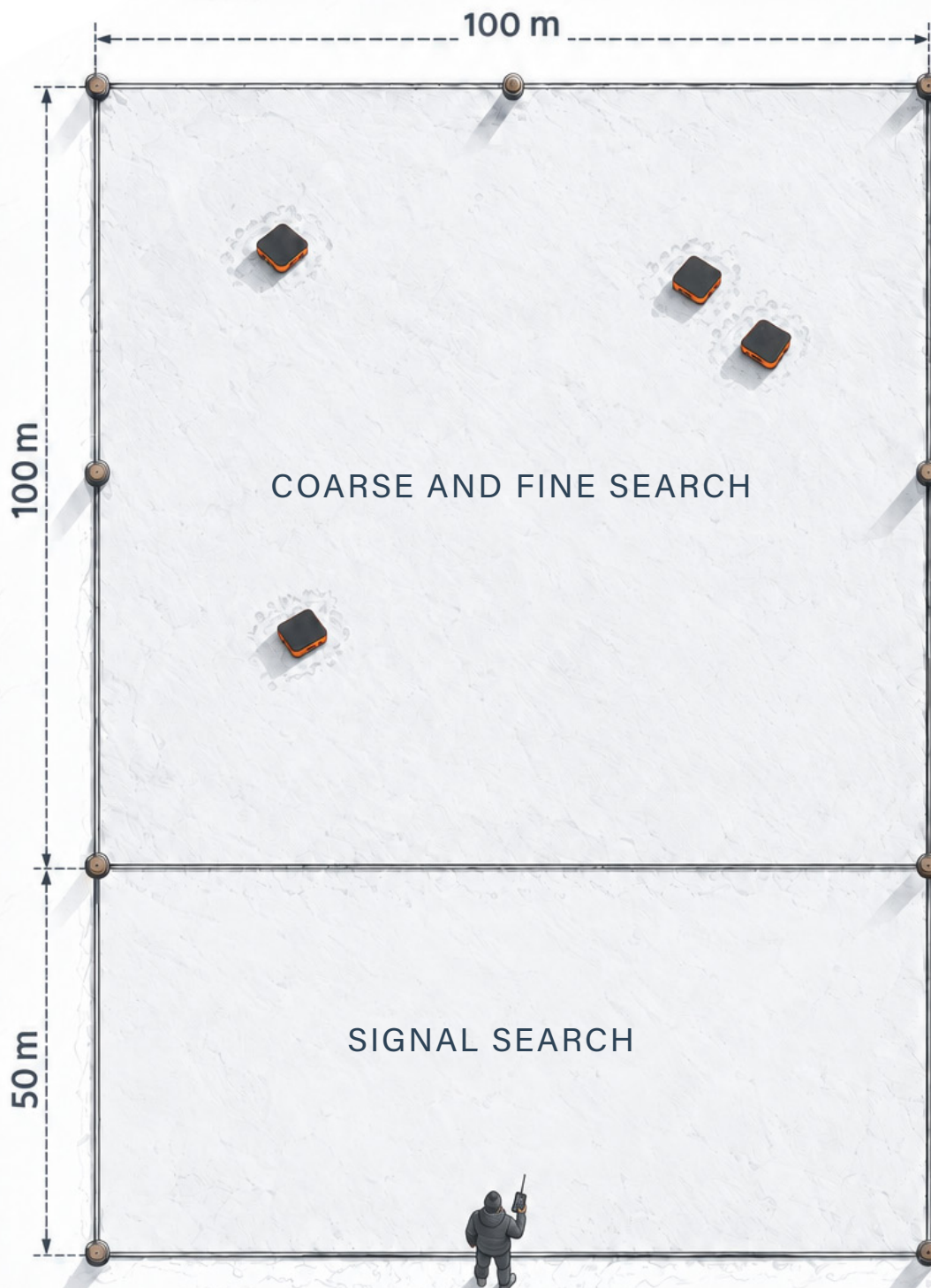
Snow Safety Center, the Netherlands

Swiss Armed Forces, Andermatt

French Armed Forces, France

HOW DO I PLAN AN TRANSCEIVER TRAINING AREA WITH THE RTX457?

The mobile RTX457 does not require a permanently installed training site. Transmitter positions and training scenarios can be adapted flexibly to suit the terrain and specific training objectives.



OUR RECOMMENDATIONS



100 x 100 m

Search area

For coarse and fine search training



+50 m

Signal search

For realistic signal search training



≥ 150 m

Distance from sources of interference

For interference-free operation

DISTANCE FROM SOURCES OF INTERFERENCE

Maintain a distance of at least 150 m from potential sources of interference, particularly:

- overhead power lines
- mountain lifts and snowmaking systems
- technical buildings and transformer stations
- ski slopes or areas where many avalanche transceivers are in use



IMPORTANT

here must be no underground electrical cables within the search area.

VISIBILITY & OPERATION

For safe training, we recommend clearly marking the temporary training area and selecting a location where other winter sports enthusiasts will not be affected. All transmitters must be recovered after the training session.

Do you already have a potential location in mind?

We would be happy to support you in assessing the site and planning your training area.

BURYING THE TRANSMITTER CORRECTLY

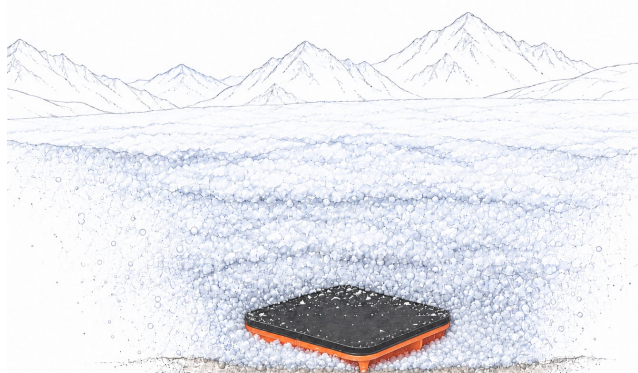
For realistic training, bury the transmitter with the flexible probing surface facing upwards. The reinforced layer underneath prevents the probe from penetrating the transmitter.

Flexible probing surface
for a realistic probing feel

Reinforced intermediate layer
prevents the probe from penetrating the transmitter

Rugged transmitter housing
for mobile use in snow

CORRECT:
PROBING SURFACE FACING UP



INCORRECT:
UNDERSIDE FACING UP



OPTIONAL PROTECTION

Suitable protective covers for use in the field are available from Tyromont.



more about the protective covers

ONE SET MULTIPLE SCENARIOS

The transmitters remain buried throughout the training session. Using the remote control, the instructor selects which transmitters are active — from basic introductory exercises to challenging multiple-burial scenarios.

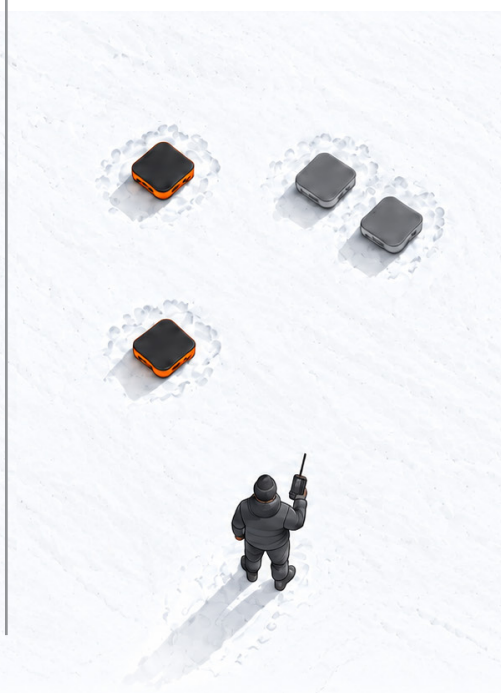
SINGLE BURIAL

1 transmitter activ



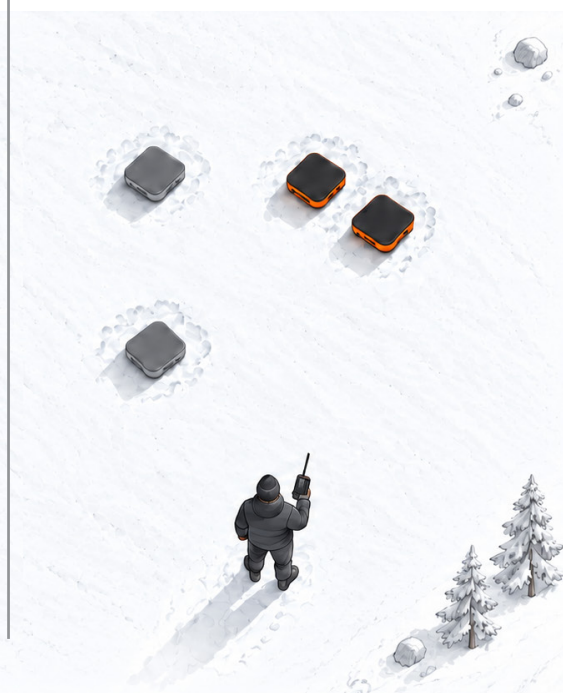
MULTIPLE BURIAL

2 transmitters activ
spatially separated



CLOSE-PROXIMITY MULTIPLE BURIAL

2 transmitters active
close together



Black/orange: transmitter active – Grey: transmitter not activated

Different training scenarios can be selected using the remote control without having to dig up and reposition the transmitters.



INTERESTED IN THE RTX457?

We would be happy to help you select the right RTX457 system for your training and education needs.

From choosing the appropriate system size to answering questions about its use in the field.



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RTX457



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DEVELOPED AND MANUFACTURED IN SWITZERLAND

Over 25 years of experience in alpine environments.



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