

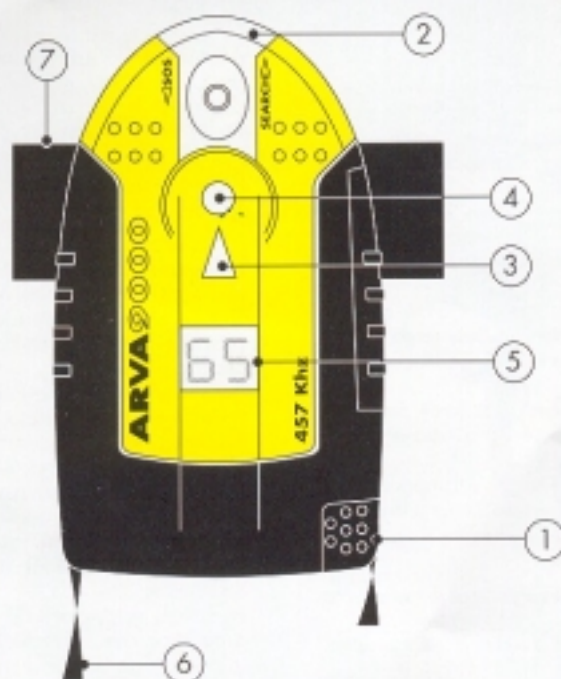
1 USER'S MANUAL

Here is a copy of the English user's manual:



ARVA9000

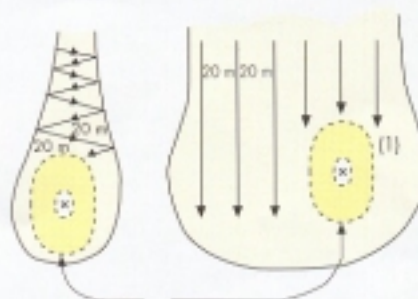
A



B

Un sauveteur
One rescuer
Ein suchender (Retter)
Un salvador
Uno soccorritore

Plusieurs sauveteurs
Several rescuers
Mehrere suchende (Retter)
Mucha salvadores
Alcuni soccorritores



- (1)
- Détection présence victime
 - Detecting the presence of the victim
 - Erfassung der Anwesenheit des Betroffenen
 - Detección de la presencia de la víctima o víctimas
 - Rivelazione della presenza di vittime

Digital Avalanche Transceiver / Beacon

The ARVA 9000 must be used exclusively to search for avalanche victims

Description of the unit

- ① On/Off strap socket
- ② Transmit/Search switch
- ③ Directional arrow
- ④ Precise locating indicator
- ⑤ Progress indicator
- ⑥ Adjustable neck strap
- ⑦ Elastic chest strap

N.B. The distance indicator does not give the exact distance, but confirms the rescuer's approach towards the victim as the number decreases.

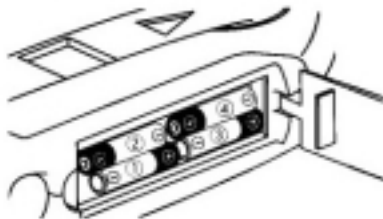
Installing batteries

The ARVA 9000 uses exclusively four LR03 alkaline batteries.

Open the battery compartment cover with a coin. The four batteries should be of the same brand and be replaced at the same time.

Insert the batteries carefully in the order shown inside the compartment.

N.B. Do not store the unit at a temperature of less than 0°C to avoid damaging the batteries.



Benefits of the ARVA 9000

A powerful 457 kHz (± 20 Hz) transmitter whose emission level is independent of the state of the batteries.

A transmission level self-test. The arrow ceases to flash in the event of a transmitter fault.

A multiple-victim indicator, with automatic synchronisation on the nearest victim.

A reliable, high-performance product designed and manufactured in accordance with ISO 9001 standard.

Before departure

▶ Clip the **On/Off strap** ① into the transceiver.

▶ The **lights** ④ and ③ come on.

▶ **Check your batteries** on ⑤ and by counting the number of beeps: 99 and 4 beeps = new batteries, 75 and 3 beeps = batteries in good condition, 50 and 2 beeps = batteries OK, but think about changing them soon, 25 and 1 beep = replace batteries.

▶ **Transmission light** ③ flashes.

▶ **Check Transmit/Search functions.**

The person checking the unit puts his ARVA in transmit mode and all the other members of the group check that their ARVA detects the transmission signal properly. The person checking puts his ARVA in Search mode while the other members switch to transmit. One after the other, the team members approach to within 1 m of the tester. The distance indicator should show 1.0 to 2.0. No other team member should be within 10 m to avoid interference.

Information for your security

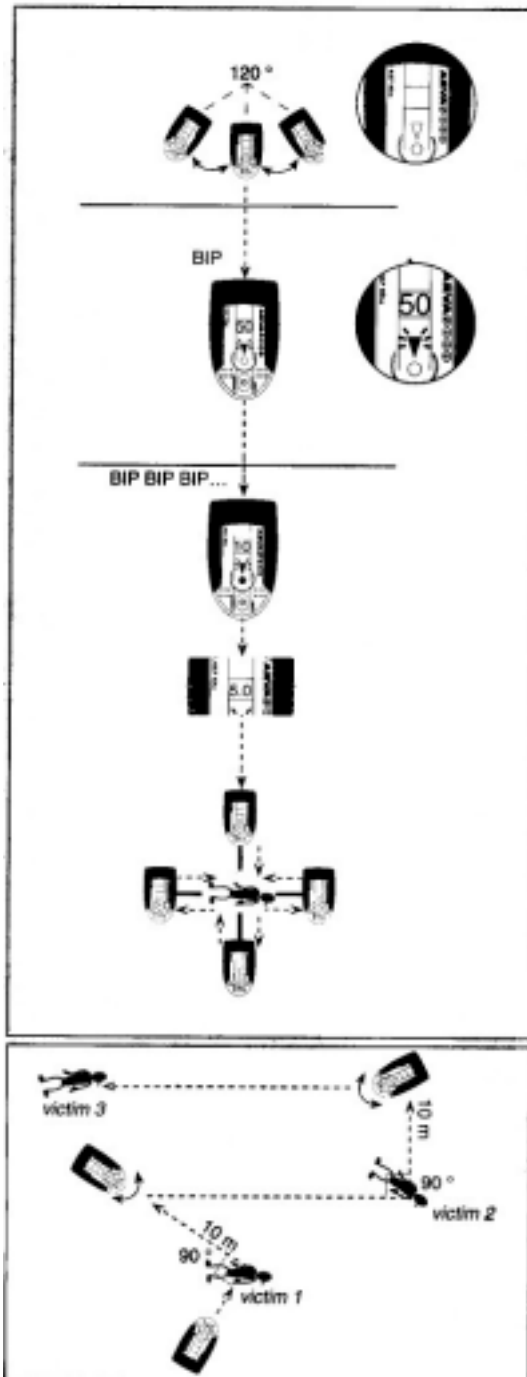
The ARVA is not a safety device but a rescue unit. The feeling of safety provided by wearing the ARVA 9000 does not lessen the danger of an avalanche. Furthermore, it does not exempt the skier from a basic knowledge of snow and avalanche conditions. Survival chances of a person buried beneath the snow decrease rapidly after only 15 minutes.

Throughout the day, the ARVA 9000 must be set to TRANSMIT mode and worn under their jacket to keep it warm and safe. The unit is carried against the chest of the skier by an adjustable strap around the neck and an elastic chest strap.

The ARVA 9000 allows rescuers to locate buried victims accurately, but it is **ESSENTIAL** to carry a snow probe to confirm the location and a shovel to extricate the victim as quickly as possible.

It is strongly recommended to conduct several search exercises every year at the beginning of and during the season in order to increase your rescue speed.

CAUTION: The ARVA 9000 does not make the danger of an avalanche decrease or disappear.



Search

► **Pull the SEARCH switch (2)** The light (4) flashes every 5 seconds: no victim has been detected.

Move in accordance with drawing B, holding the ARVA 9000 horizontal, red end forwards, swinging the arm slowly from left to right (angle of about 120°).

► **AT THE FIRST BEEP :** stop moving.

Find the direction "Arrow lit up" by turning the ARVA 9000 slowly in a horizontal plane, through 180° maximum. The arrow (3) lights up, indicating the direction to follow. Move forwards. If the distance indicator value increases, turn round and advance in the opposite direction. As soon as the arrow extinguishes, stop moving, look for the new direction "Arrow lit up", then move in that direction.

► **The light (4) comes on** and the indicator displays 10, the beep emission frequency increases... Move forwards slowly. The indicator displays (5): stop moving, lower the ARVA unit as close as possible to the snow, pointing it in the same direction and keeping it horizontal. Slowly vary the direction to obtain the smallest number on the distance indicator. Keep moving forwards slowly as long as the number decreases.

► When the smallest number is obtained (and with highest beep frequency) locate the victim by the **cross technique** taking care always to point the ARVA 9000 unit in the same direction. For this purpose, move 2 m to the left and obtain the smallest number on the indicator by moving to the right. Move backwards 2 m and once again obtain smallest number by moving forwards. **You should be standing directly over the victim and the indicator displays the approximate depth.**

Confirm this position with a snow probe.

If there are several victims:

The light (4) flashes instead of remaining on continuously.

While a rescuer extricates the located victim, search for the next one... Move 10 m away on a line perpendicular to your line of approach to the first victim and start the search procedure again, making sure not to move in the direction of the victim already located.

If, despite these precautions you return towards the first victim, move more than 10 m away and repeat the search procedure.