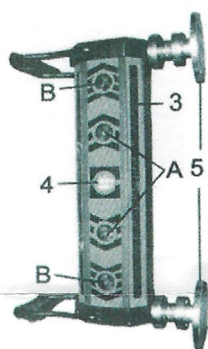
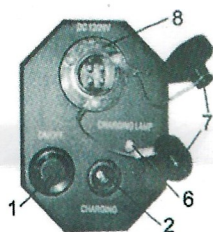


# Machine Control Receiver Set FRD360

## Operator Manual



Receiver Main



- ★ 360° Reception
  - ★ Length of receiving windows 25cm
  - ★ Strong magnets for connection to the machine
  - ★ Detects beam of any brand rotating laser levels
  - ★ Waterproof and dustproof metal housing
- 1 ON/OFF-switch
  - 2 Socket for charger
  - 3 Receiving windows(×4)
  - 4 LED- Display
  - 5 Fixing magnets
  - 6 Charging indicator LED
  - 7 Cover for socket
  - 8 Socket for connection cable or for 12/24V battery cable

**Connection to the excavator-Main receiver** is equipped with strong magnets for attachment.

**Switch on**—Press 1×ON/OFF-Switch—all LED's are flashing. After switching on Main receiver is in coarse detecting mode. Pressing ON/OFF again switches unit between fine and coarse detecting mode.

**Fine/coarse detection**—Change with ON/OFF-switch  
 FINE= the 2 inner LED'S "A" are flashing 3 times  
 COARSE= the 2 outer LED'S "B" are flashing 3 times

**Switch off**—Press ON/OFF-Switch by 2sec.

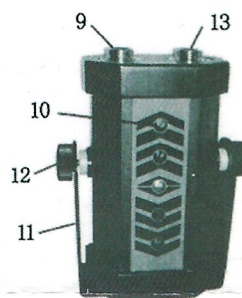
### LED-Display-

2 upper red LED'S flashing =move Main receiver upwards  
 Middle green LED flashing =Main receiver on level  
 2 lower red LED'S flashing = move Main receiver downwards

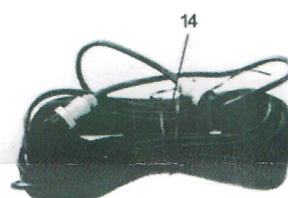
### Cabin Receiver

Connect Cabin Receiver and Main receiver by use of connecting cable 14 to sockets 8&9. Fix Receiver in the cabin of the machine. Now the receiver can be observed conveniently by the display even if the position of the receiver is above the cabin.

Cabin Receiver has no own power supply. It is powered by Main receiver.



Cabin Receiver



Supplied with:

Machine control receiver FRD360 with built-in rechargeable battery, charger,  
 12/24V battery cable, hard case  
 Cabin Receiver with connection cable

- 9 Socket for connection cable to Main receiver
  - 10 LED- Display
  - 11 Bracket
  - 12 Clamp screw
  - 13 Socket for 12/24V battery cable
  - 14 10-meters Connection cable
- Without picture:  
 -12/24V battery cable  
 -Charge

### Rechargeable battery and charge-

Receiver has a built-in 7.2V NIMH rechargeable battery pack. If the red LED'S are flashing from the centre to outwards the battery needs to be charged. If not charged Receiver switches off automatically.

### Charging batteries-

Remove cover no.7 and connect charger with socket no.2 and power supply. Recommended charging time:15 hrs.

### 12/24V Battery cable-

Connect battery cable with socket no.8 (or if LR360M is connected to Cabin Receiver with socket no.13).

Then fix clamps on the car battery:

RED to positive pole (+) at battery

BLACK to negative pole (-) or to ground(engine block)

### Technical Data

Accuracy fine	±2mm - ±10mm
Accuracy coarse	±5mm - ±23mm
Rechargeable batteries/charger	7.2VniMh/3000mAh
Operating time	40h
Charging time	15h
Operating temperature	-20°C - +50°C
Recommended Storage temperature	-20°C - +30°C
Size	376×180×49mm
Weight	3.1kg