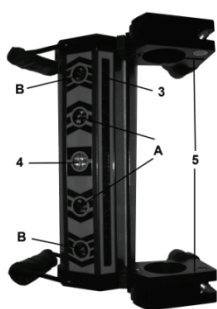
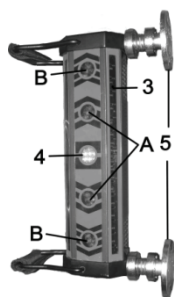


TUF-TR360M (Magnetic) TUF-TR360C (Clamps)

OPERATING MANUAL



**Machine Receiver
(with screw clamp mount)**



**Machine Receiver
(with magnet mount)**



**Cab Remote
Display**



Feature:

- 360° laser reception.
- Length of receiving window 25cm.
- Strong magnets or Screw clamp for connection to the machine.
- Detects laser plane of multiple brand rotating laser levels.
- Waterproof and dustproof metal housing (IP66)

Kit inclusions ;

- Machine control receiver TR360 with built-in rechargeable battery pack.
- Cab Remote Display with connection cable
- Charger.
- 12V/24V battery cable.
- Carrying Case.

- 1 ON/OFF key
- 2 Socket for charger
- 3 Receiving windows
- 4 LED display
- 5 Fixing device for connection to the machine
(magnets base or screw clamp base)
- 6 Charging indicator LED
- 7 Cover for socket

- 8 Socket for connection cable or 12V battery cable
- 9 Socket for connection cable to Main Receiver
- 10 LED display
- 11 Bracket
- 12 Clamp screw
- 13 Socket for 12V/24V battery cable
- 14 Connection cable

Not Shown - 12V/24V battery cable & Charger

Connection to the excavator-The receiver is equipped with strong magnetic base or screw clamp base for attachment.

Switch on-Press 1.ON/OFF key, LED lights flash one by one. Pressing ON/OFF key again, it can be switched unit between fine and coarse detecting mode.
The default detecting mode is fine mode.

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

Switch off-Long press ON/OFF key to turn off the power.
please note:

- Main receiver will be turned off automatically 15 minutes without receipt of laser plane.
- When the working voltage of the battery pack drops to 6.4V,all LED lights will be flashing, and then Power will be switched off automatically. When this occurs, the main receiver must be charged.

LED-Display-

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

Cab Remote Display

Connect the cab remote display and Main receiver with the connecting cable 14. to sockets 8&9. Fix the display in the cabin of the machine.

Now the receiver can be observed conveniently by the display even if the position of the receiver cannot be seen.
The Cab remote display has no power supply. It is powered by Main receiver.

Rechargeable battery and charge-

The receiver has a built-in 7.2V NIMH rechargeable battery pack. Remove cover 7. and connect charger to socket 2. and power supply.
Charging indicator LED: red-----charging
green-----finished

Recommended charging time:15 hrs.

12V/24V Battery cable-

Connect Cab remote display and receiver with connection cable, and then connect 12V/24Vbattery cable with socket 13, fix clamps on the car battery:

RED to positive pole (+) at battery
BLACK to negative pole (-) at battery

Technical Data

Sensitivity- fine: $\pm 10\text{mm}$
Sensitivity- coarse: $\pm 20\text{mm}$
Rechargeable batteries/charger: 7.2VniMh/2500mAh
Operating time: 40h
Charging time: 15h
Operating temperature: -20°C - $+50^{\circ}\text{C}$
Recommended Storage temperature: -20°C - $+60^{\circ}\text{C}$
Size: 380×280×130mm
Weight: 5.5kg