

RECEIVER PN-R17-1

ABOUT THIS DOCUMENT

Every care has been taken in the preparation of this document. Please inform Tele Radio AB of any inaccuracies or omissions. This document covers general safety issues, main technical specifications, guarantee, service and maintenance and regulatory information. For more information, please refer to the Installation instructions available on www.tele-radio.com. Images shown in this document are for illustrative purposes only.

WARNINGS & RESTRICTIONS



Carefully read through the following safety instructions before proceeding with the installation, configuration, operation or maintenance of the product. Failure to follow these warnings could result in serious injury and property damage.

INSTALLING, CONNECTING AND MOUNTING



- This radio system must not be used in areas where there is a risk of explosion.
- Tele Radio AB remote controls are often built into wider applications. Those systems should be equipped with:
 - a wired emergency stop where necessary.
 - a brake.
 - an audible or visual warning signal.
- Always switch off all electrical power from the equipment before installation procedure.
- Only licensed or qualified personnel should be permitted to install the product.
- To utilize the safety of the system, use the stop relays in the safety circuitry of the object that you want to control.
- When the equipment controlled by the receiver's standard relays is connected via the stop relays, make sure that the maximum current through the stop relays is still within the specifications. Contact your representative for assistance.
- Avoid registering transmitters in receivers where they are not being used.
- The receiver should be installed well away from wind, damp and water. It must be securely attached and located where it will not be hit by e.g. any moving parts.
- Do not install the product in areas affected by strong vibrations.
- Cable glands and vent plugs must face downwards to prevent water from gaining access.
- Check that the power supply is connected to the correct connection terminal.
- Do not use damaged cables. Cable must not hang loose.

- Avoid installation in areas subject to strong vibrations
- The receiver can withstand normal weather conditions but should be protected from extreme conditions. The receiver should also not be subjected to mechanical water pressure i.e. a pressure washer or similar adverse conditions.

OPERATION



- Only qualified personnel should be permitted to access the transmitter and operate the equipment.
- Make sure that the user satisfies the age requirements in your country for operating the equipment.
- Make sure that the user is not under the influence of drugs, alcohol and medications.
- Make sure that the user knows and follows operating and maintenance instructions as well as all applicable safety procedures and requirements.
- **The user should:**
 - always test the transmitter stop button before operating it. Press the stop button then twist and pull it out. This test should be done on each shift, without a load.
 - never use a transmitter if the stop button is mechanically damaged. Contact your supervisor/representative for service immediately.
 - never let the transmitter unattended.
 - always switch the transmitter off when not in use. Store in a safe place.
 - keep a clear view of the work area at all times.

MAINTENANCE

- Keep the safety instructions for future reference. Always download the configuration instructions from our website for the latest available version.
- Always contact your representative for service and maintenance work on the product.
- Write down the serial numbers/ ID codes of the receivers and transmitters used. This information should be recorded in the "Settings document" for your product (can be downloaded from www.tele-radio.com).
- If error messages are shown, it is very important to find out what caused them. Contact your representative for help.
- The functionality of the stop button should be tested at least after every 200 hours' use. Test the stop button by pressing it and pulling it out.
- If the stop button is mechanically damaged, do not use the transmitter. Contact your representative for service immediately.
- **Before maintenance intervention on any remote controlled equipments:**



- always remove all electrical power from the equipment.
- always follow lockout procedures.

REGULATORY INFORMATION

CE MARKING

Hereby, Tele Radio AB, declares that the radio equipment type(s) listed above is/ are in compliance with Directive 2014/53/EU. The latest version of the complete EU Declaration of Conformity is available on the Tele Radio AB website, www.tele-radio.com.

WEEE DIRECTIVE



This symbol means that inoperative electrical and electronic products must not be mixed with household waste. The European Union has implemented a collection and recycling system for which producers are responsible. For proper treatment, recovery and recycling, please take this product to a designated collection point.

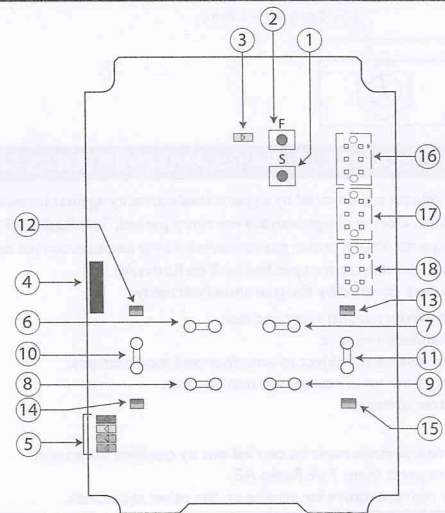
PRODUCT DESCRIPTION



Risk of electric shock. The receiver must only be opened by qualified installers. Make sure the power supply is switched off before opening the receiver.

BASE BOARD

NOTE! This base board is fitted in the following receiver model:
PN-R17-1



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|--|--|
| 1. Select button (OK) | 10. Input power GND* |
| 2. Function button (cancel) | 11. Input power 12-24V DC* |
| 3. Power LED (yellow) | 12. Status LED 1 for transistor output 1** |
| 4. Programming connector | 13. Status LED 2 for transistor output 2** |
| 5. Function LEDs
(5 = red, 6 = yellow, 7 = green, 8 = orange) | 14. Status LED 3 for transistor output 3** |
| 6. Transistor output 1* | 15. Status LED 4 for transistor output 4** |
| 7. Transistor output 2* | 16. Connector for digital inputs |
| 8. Transistor output 3* | 17. Connector for digital inputs |
| 9. Transistor output 4* | 18. Connector for digital inputs |

* Blade terminal (4.8 mm, male)
** 2 color LED (red/green)

TECHNICAL DATA

Number of transistor outputs	4*
Digital inputs	8
Input power	12-24V DC
Radio communication	Simplex
Max. number of registered transmitters	8
IP code	IP65
Dimensions	80 x 54 x 38 mm / 3 x 2 x 1.5 in
Weight	Max. 200 g / 0.44 lbs
Operating temperature	-20...+55 °C / -4...+130 °F
Frequency band	2405-2480 MHz
Number of channels	16 (channel 11-26)
Antenna	Internal antenna

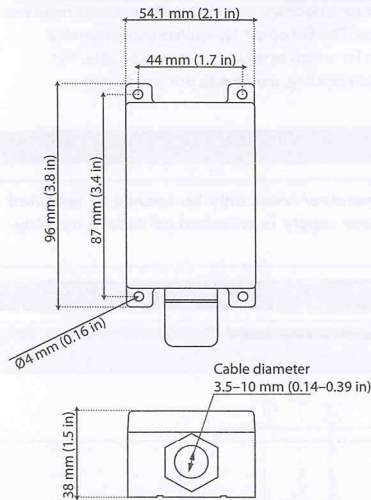
* Maximum continuous current for a transistor is 3 A. Maximum intermittent current for a transistor is 10 A (at 25 °C).

CURRENT CONSUMPTION

Input power	Typical*
12 V DC	0.004 A
24 V DC	0.004 A

*Receiver powered, no loads added.

MECHANICAL INSTALLATION



GUARANTEE, SERVICE, REPAIRS AND MAINTENANCE

Tele Radio AB products are covered by a guarantee/warranty against material, construction and manufacturing faults. During the guarantee/warranty period, Tele Radio AB may replace the product or faulty parts. Work under guarantee/warranty must be carried out by Tele Radio AB or by an authorized service centre specified by Tele Radio AB.

The following are **not** covered by the guarantee/warranty:

- Faults resulting from normal wear and tear.
- Parts of a consumable nature.
- Products that have been subject to unauthorized modifications.
- Faults resulting from incorrect installation and use.
- Damp and water damage.

Maintenance:

- Repairs and maintenance must be carried out by qualified personnel.
- Only use spare parts from Tele Radio AB.
- Contact your representative for service or any other assistance.
- Keep the product in a clean, dry place.
- Keep contacts and antennas clean.
- Wipe off dust using a slightly damp, clean cloth.

NOTE! Never use cleaning solutions or high-pressure washer.

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For more information about this product, download the latest Installation instructions from www.tele-radio.com.

