


Installation manual SW-Kit PANTHER

A decorative graphic on the left side of the page consisting of three concentric circular arcs. The innermost arc is orange, the middle one is dark grey, and the outermost one is light grey.

PN-R8-1
PN-R8-3
PN-R8-6
PN-R8-7
PN-R8-10
PN-R8-12
PN-R8-13
PN-R8-20

PN-R15-1
PN-R15-2
PN-R15-7
PN-R15-8
PN-R15-13
PN-R15-14
PN-R17-1
PN-R18-1/2

PN-T21-3
PN-T21-4
PN-T21-6
PN-T21-8
PN-T21-8
PN-T13-3
PN-T13-4
PN-T13-6

PN-T13-8
PN-T13-10
PN-T7-16
PN-T7-15
PN-T7-14
PN-T19-2
PN-T17-8
PN-T17-12

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1 Tele Radio© software

1.1 Downloading and installing the software

1. Download the following files:

- FTDI_DRIVER_CDM21228_Setup.exe
- SW0013-08v27-MassProgrammer.exe
- SW0026-50v02pre18-Flasher.exe

2. Install the FTDI Diver, *install the driver as Administrator!*

The MassProgrammer and the Flasher does not have to be installed, it works straight away.

1.2 MassProgrammer

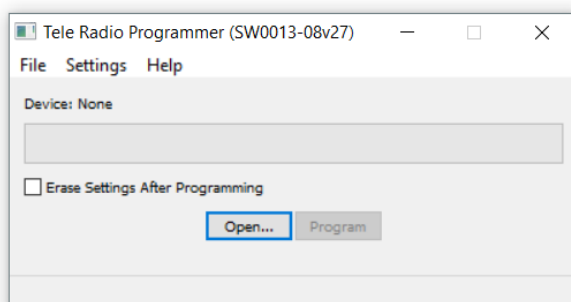
MassProgrammer is used to program pre-made files into the receivers and transmitter of Panther (Generation 1). This can be default firmware or custom firmware. These files are not adjustable!

Files created in this program are saved as a .trf file.

[TRS = Tele Radio firmware]

Always have “Erase settings after programming” deselected. ☐
(Except when programming default firmware)

1. Open the file or drag’n’drop it into the MassProgrammer
2. Press “Programm”



1.3 Flasher

Flasher is used to program pre-made files into the receivers and transmitters of Panther (Generation 2). This can be default firmware or custom firmware. These files are not adjustable!

Files created in this program are saved as .settings or .tpk files.

1. Press "Guest Login"
2. After connecting press "scan"
3. Open the file or drag'n'drop it into the Flasher
4. Press "Flash"

SW0026-50v02pre18-Flasher

Tele Radio
Flasher v02pre18

Username Login
Password Logout
[Forgot your password?](#) [Guest login](#)

No connected devices Drop or choose a file

Event	Device Software	File Software	Action
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2021-06-18 14:01:42 > application: Starting up, version is SW0026-50v02pre18
2021-06-18 14:01:42 > window: Loading window state to \\HKEY_CURRENT_USER\\Software\\teleradio\\OrganizationDefaults
2021-06-18 14:01:42 > workers: Loaded worker state from \\HKEY_CURRENT_USER\\Software\\teleradio\\OrganizationDefaults
2021-06-18 14:01:42 > workers: Saved user deleted
2021-06-18 14:01:42 > states: BinaryState: work entered on
2021-06-18 14:01:42 > workers: Scanning...
2021-06-18 14:01:42 > scanning: BEGUN threaded port scan
2021-06-18 14:01:42 > serialdriver: Got ports: []
2021-06-18 14:01:42 > scanning: Got 0 ports from driver
2021-06-18 14:01:42 > scanning: FINISHED threaded port scan
2021-06-18 14:01:42 > workers: Scan completed
2021-06-18 14:01:42 > states: BinaryState: work entered off
2021-06-18 14:01:42 > states: BinaryState: has_device entered off
2021-06-18 14:01:42 > states: BinaryAndState: flash_possible entered off
2021-06-18 14:01:42 > states: BinaryState: has_file entered off

Analyze Flash ☒ Reset settings ☐ Overwrite Scan completed

2 Software kit

2.1 Parts

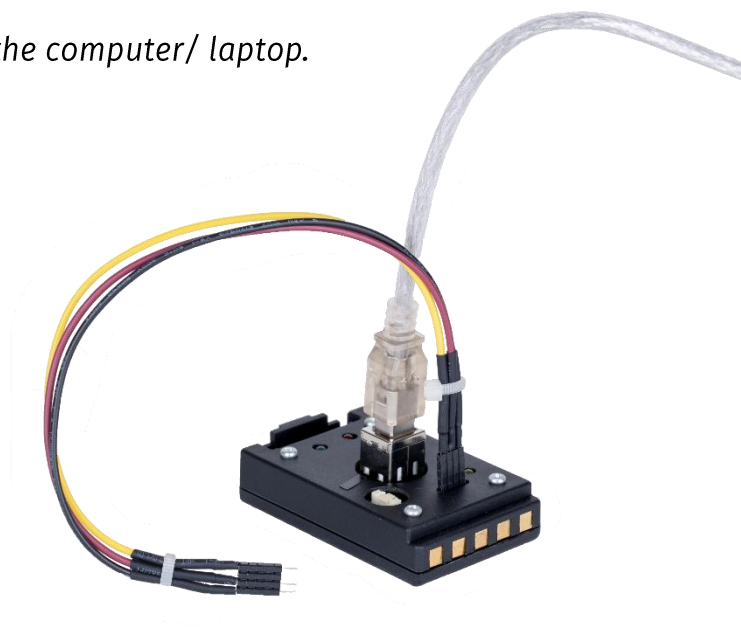
The software kit consists of the following parts:

1. [M50023] USB-A to USB-B cable
2. [D2-3]
3. [CABLE004-5]



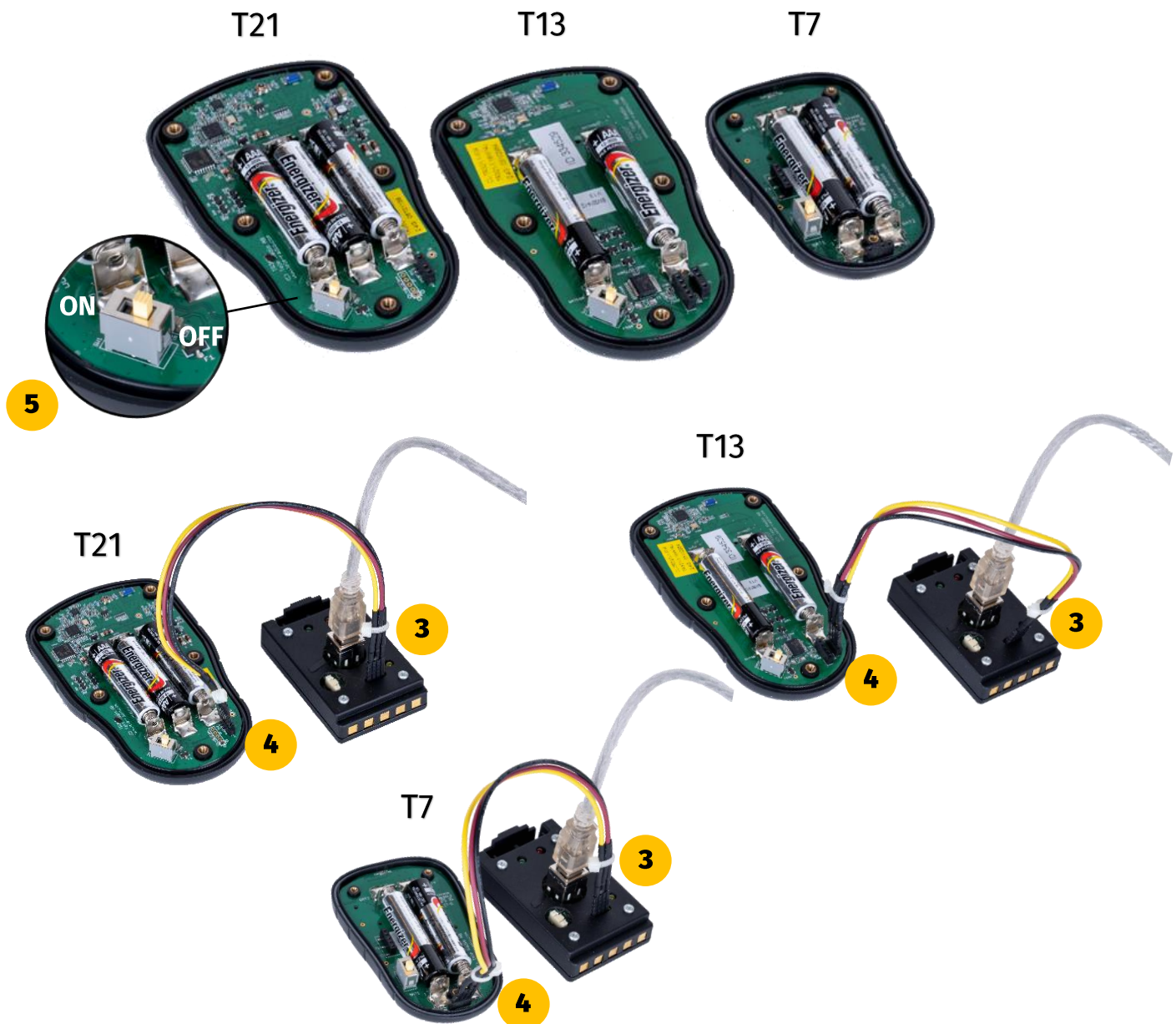
2.2 Assembly

1. Connect the USB-B cable to the D2-3 unit.
2. Connect the CABLE004-5 to the D2-3 unit (depends on the product that has to be programmed).
3. Connect the USB-A cable to the computer/ laptop.



3 Connecting the PN-T7/T13 & T21 transmitter

1. Unscrew the 5 screws from the casing, the clip does not have to be unscrewed!
2. Place the batteries in the transmitter.
3. Connect the CABLE004-5 to the D2-3 unit.
4. Connect the opposite side of the CABLE004-5 to the transmitter.
5. Toggle the battery switch to the "ON" position on the backside.
6. The connection is correct if the green LED of the D2-3 unit turns on. If not, the red LED will turn on. Double check the connection and contact Tele Radio if the problem still occurs.
7. The orange LED will stay on during programming.



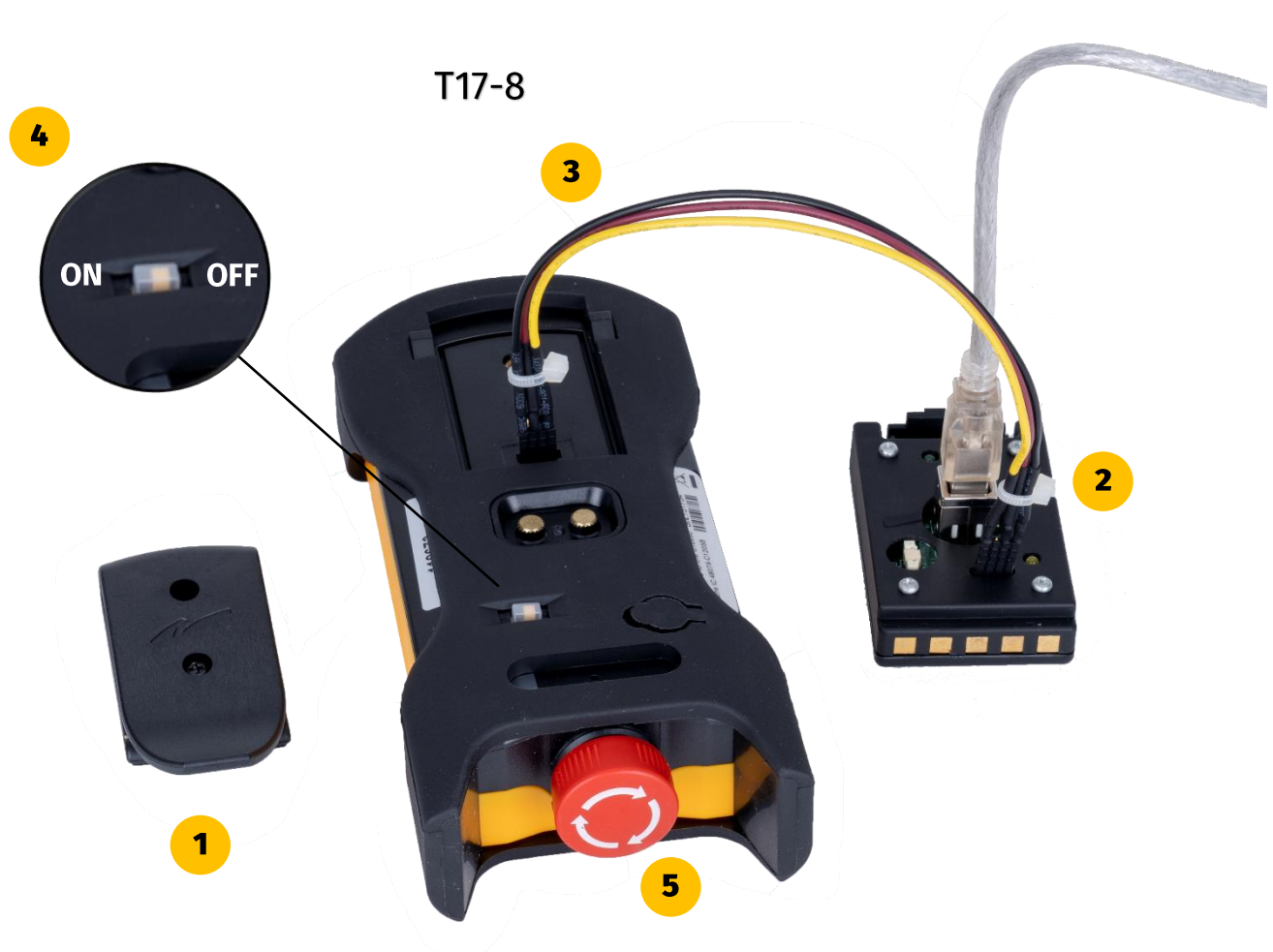
4 Connecting the PN-T19 & T17-12 transmitter

1. Connect the USB-B cable to the D2-3 unit.
2. Remove the battery or battery holder from the transmitter and replace it with the D2-3 unit.
3. Pull out the emergency stop.
4. The connection is correct if the green LED of the D2-3 unit turns on. If not, the red LED will turn on. Double check the connection and contact Tele Radio if the problem still occurs.
5. The orange LED will stay on during programming.



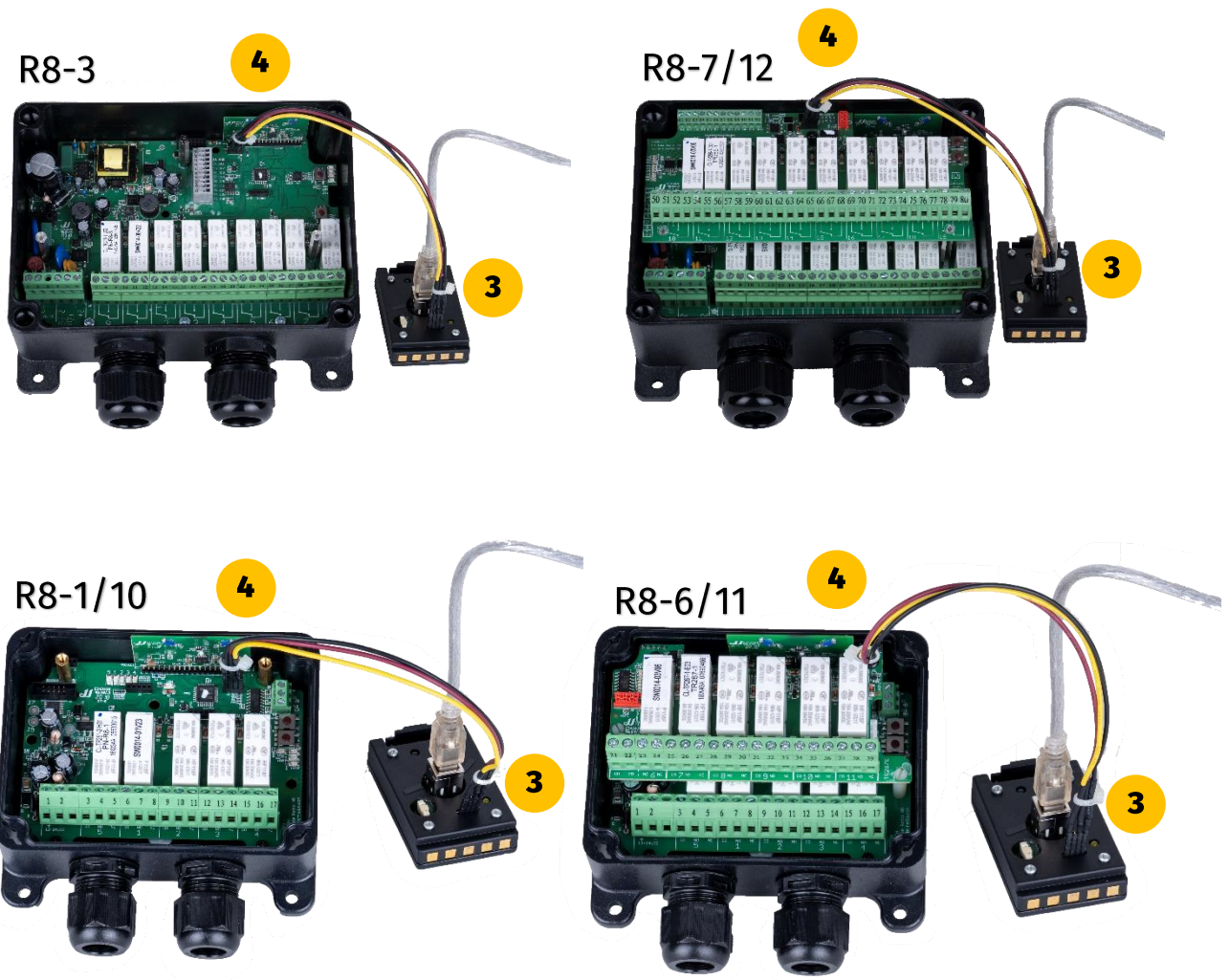
5 Connecting the PN-T17-8 transmitter

1. Unscrew the clip from the transmitter casing.
2. Connect the CABLE004-5 to the D2-3 unit.
3. Connect the opposite side of the CABLE004-5 to the transmitter.
4. Toggle the battery switch to the "ON" position.
5. Pull out the emergency stop.
6. The connection is correct if the green LED of the D2-3 unit turns on. If not, the red LED will turn on. Double check the connection and contact Tele Radio if the problem still occurs.
7. The orange LED will stay on during programming.



6 Connecting PN-R8 & R15 receiver

1. Unscrew the lid from the receiver.
2. Check the operating voltage (AC/DC) and connect the receiver to the power source.
3. Connect the CABLE004-5 to the D2-3 unit.
4. Connect the opposite side of the CABLE004-5 to the receiver.
5. The connection is correct if the green LED of the D2-3 unit turns on. If not, the red LED will turn on. Double check the connection and contact Tele Radio if the problem still occurs.
6. Wait 3 - 5 seconds till reading or programming!
7. The orange LED will stay on during programming.



NOTE:

R15 receivers are connected in the same way as PN-R8-1/10/6/11 receivers

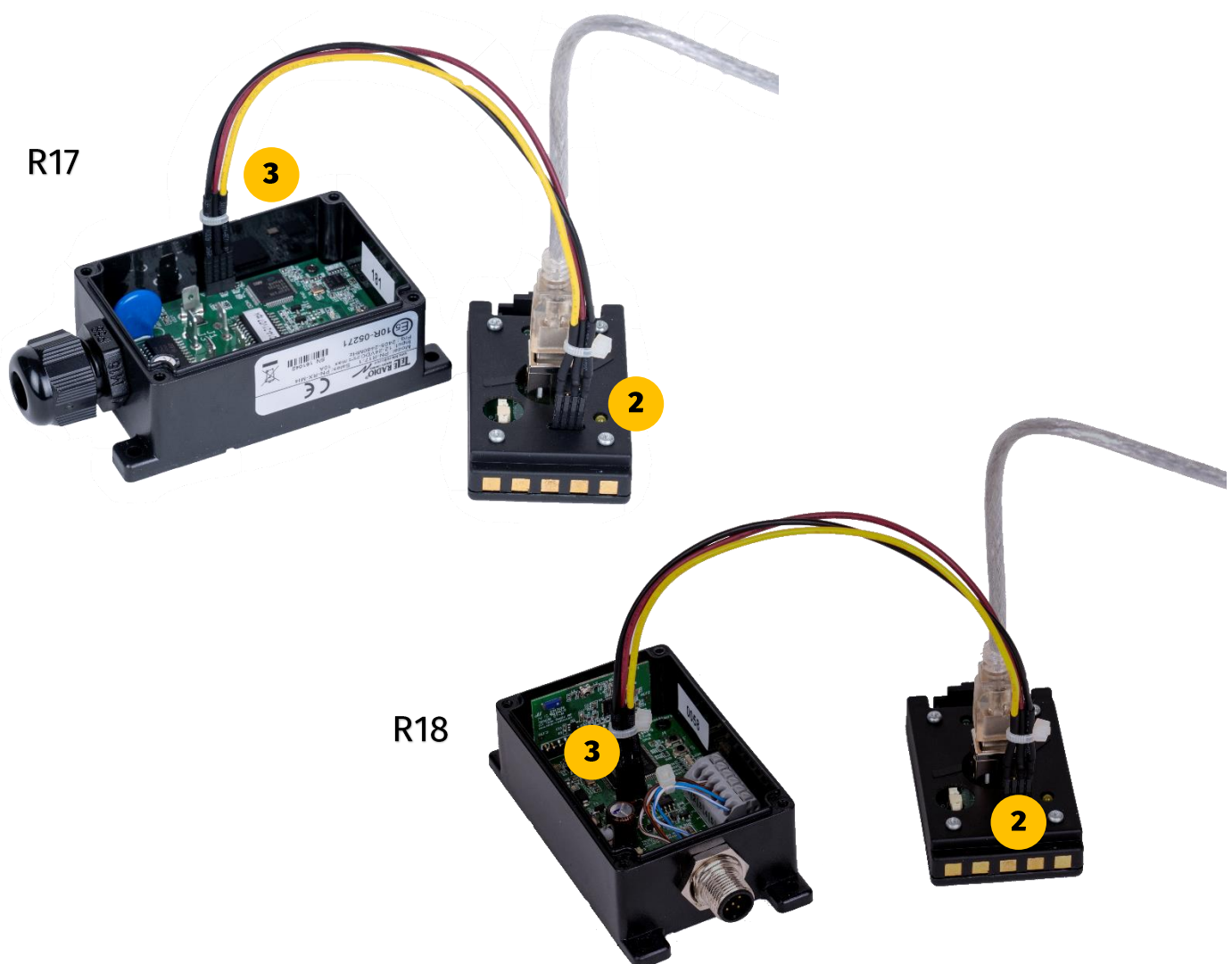
7 Connecting the PN-R17 & R18 receiver

In order to program a PN-R17 or PN-R18 receiver "GENERATION 1" the MassProgrammer has to be used.

In order to program a PN-R17 or PN-R18 receiver "GENERATION 2" the SW0026-50v02pre18-Flasher has to be used.

Please check the FAQs on page 10 for the identification of Generation 1 (G1) or Generation 2 (G2).

1. Unscrew the lid from the receiver.
2. Connect the CABLE004-5 to the D2-3 unit.
3. Connect the opposite side of the CABLE004-5 to the receiver.
4. The connection is correct if the green LED of the D2-3 unit turns on. If not, the red LED will turn on. Double check the connection and contact Tele Radio if the problem still occurs.
5. The orange LED will stay on during programming.



8 Troubleshooting & Comments

Frequently asked questions:

1. I got the error: Got NOK

Solution: Re-start your computer

2. My mouse shoots to the upper left corner

Solution: Re-install the driver

3. My programmer displays a red LED

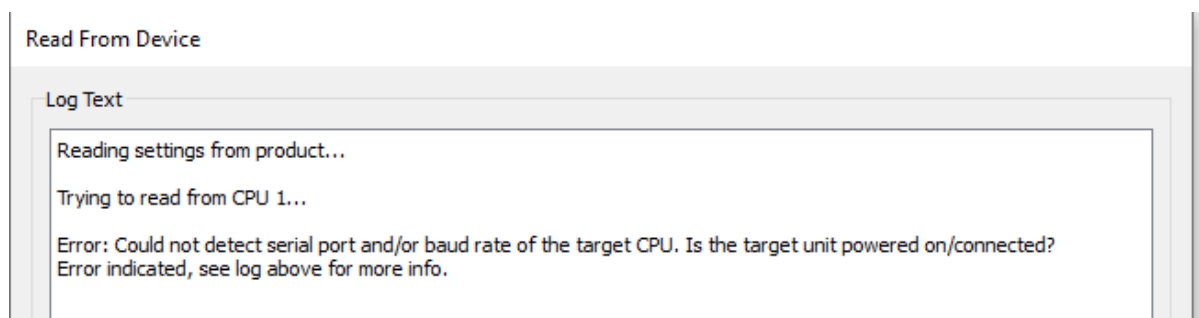
*Solution: Re-check your connection. If the problem still occurs re-install the driver.
Contact Tele Radio if the problem is still not solved after re-installing.*

4. My PN-T19-2/ PN-T17 transmitter won't program

Solution: Make sure to pull out the emergency stop

5. How can I identify a Panther R17 Generation 1 (G1) or Generation 2 (G2)

Solution: Connect the D2-3 unit to the receiver. If you get the following error message, when using SW0013-08v27-MassProgrammer.exe, your device is a Generation 2 receiver.



6. How can I identify a Panther R18 Generation 1 (G1) or Generation 2 (G2)

*Solution: Check the sticker on the microcontroller inside the receiver.
From "SW0014-24v05" on, it is a Panther Generation 2 device.*



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