



Flying Neurons

SuperNeurone

*Connection to the FUNKE
transponder*

TRT800A/TRT800H



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Amendments

Version	Date	Description
1.0	12/08/2026	First drafted

Contents

This document explains how to connect the SuperNeurone to the FUNKE TRT800A/TRT800H transponder to transform it into ADS-B Out.

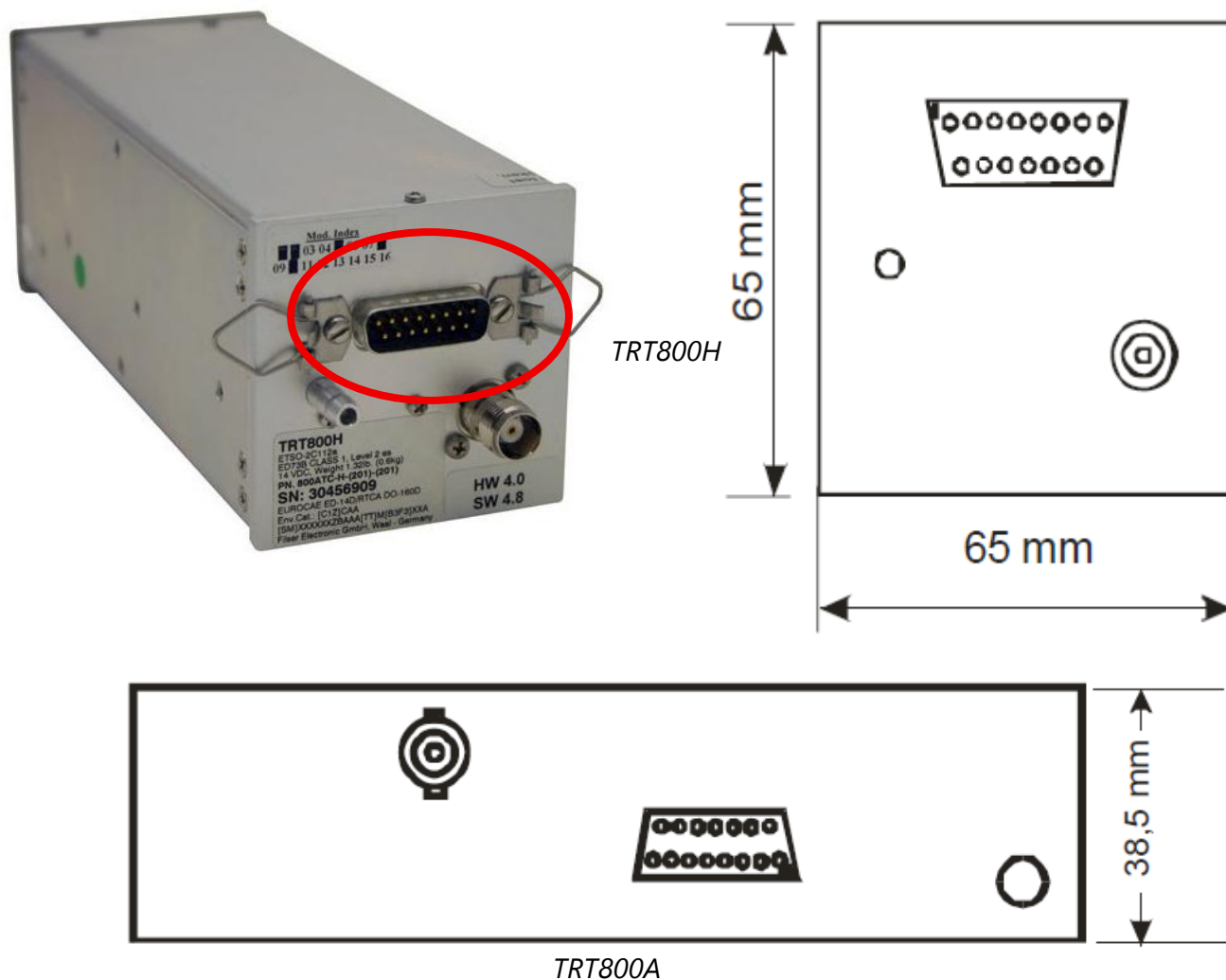
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1 Transponder Connection

1.1 Use of a "SmartConnector"

- Disconnect the original harness connected to the DB15 connector on the transponder.

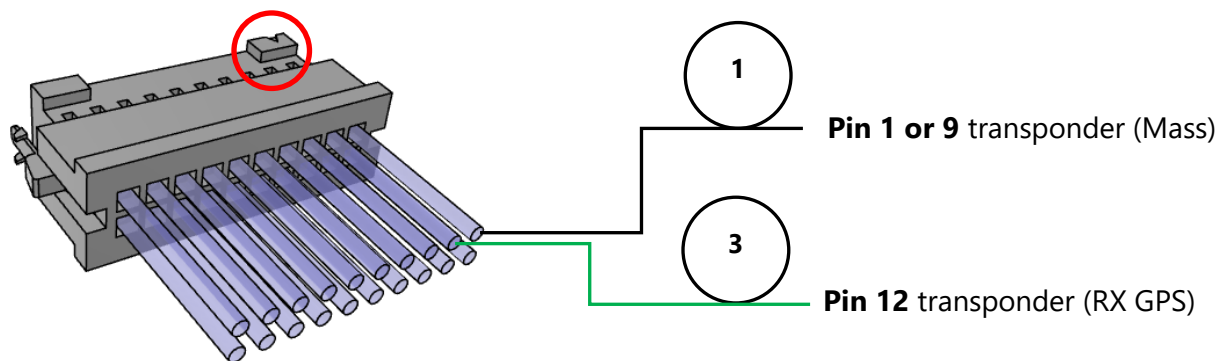


Connect the "**SmartConnector**" instead .

- Reconnect the original transponder harness to the "**SmartConnector**".
- Lock the whole thing.
- Connect the connector marked "**Transponder**" of the SuperNeuron beam to the "**SmartConnector**".

1.2 Using the unequipped harness

If you are using the unequipped SuperNeurone harness, connect it to the transponder in the following pattern:

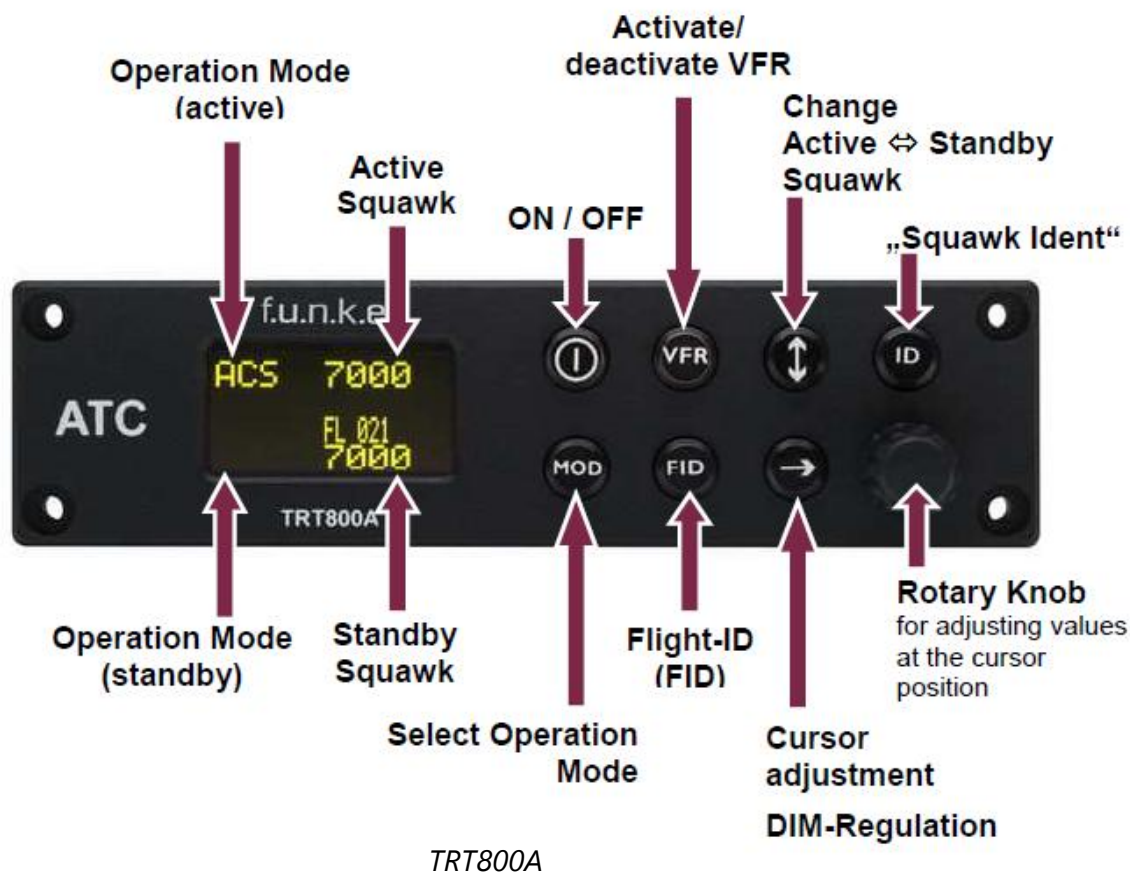
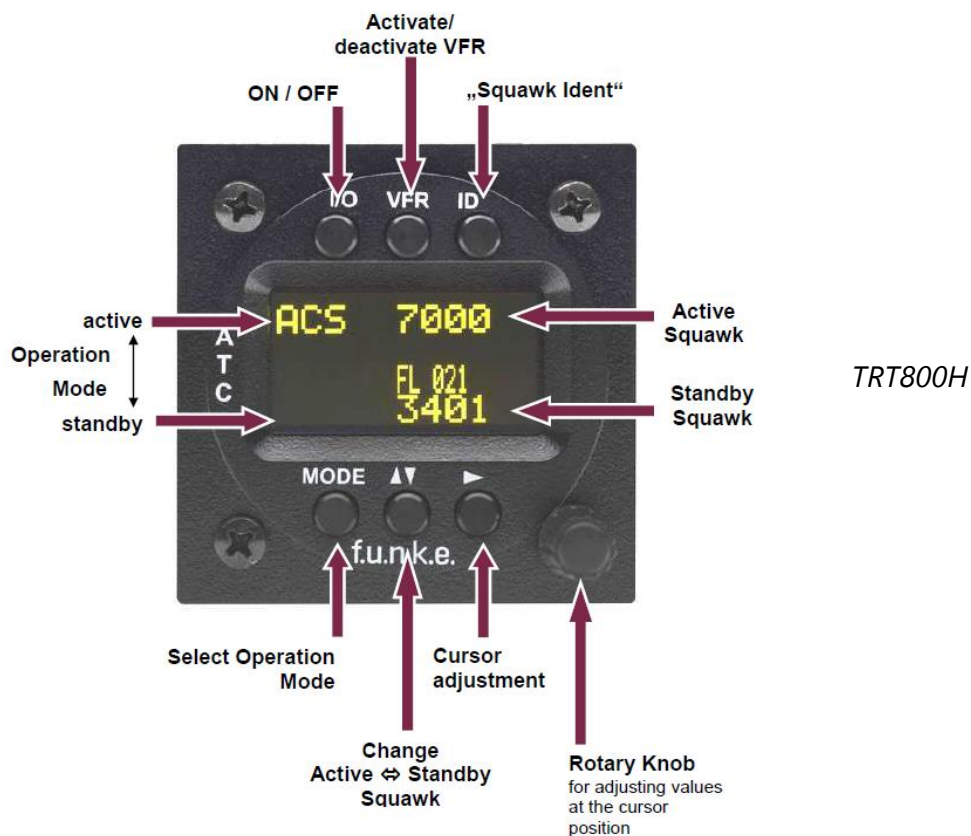


2 SuperNeurone Setup

In the "**Transponder**" part of the SuperNeurone configuration:

- Select **TRT800**.
- For the **Definition of the ICAO address** (transponder hexadecimal address):
 - **Manual** if you know it.
 - **Automatic** to let the SuperNeurone detect it.
- Check the box "**Connected via ADS-B Out**"

3 Transponder Configuration





- Move into Standby mode using the MOD button
- To enter Setup mode :
 - Hold down the **FID button for the TRT800A** or **ID for the TRT800H** until you get the **ENTER SETUP** screen.
 - Release the button.
 - Press the **FN button** and **keep releasing the** transponder.
- You are now in **Setup mode**.
 - Switch menus by pressing **the FN button**.
 - Press the **ENT button** to confirm a choice.
 - Use the **right wheel** to scroll through the choices.
- Change the following 2 settings:
 - GPS input : **NMEA 0183**
 - Interface speed: **38400 bps ATTENTION new goes faster**