



# ***Flying Neurons***

## *SuperNeurone*

### *Connecting to the TQ KTX2 Transponder*



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**Amendments**

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| 1.0     | 12/08/2026 | First drafted |

**Contents**

This document explains how to connect the SuperNeurone to the TQ KTX2 transponder to transform it into an ADS-B Out.

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# 1 Transponder Connection

## 1.1 Use of a "SmartConnector"

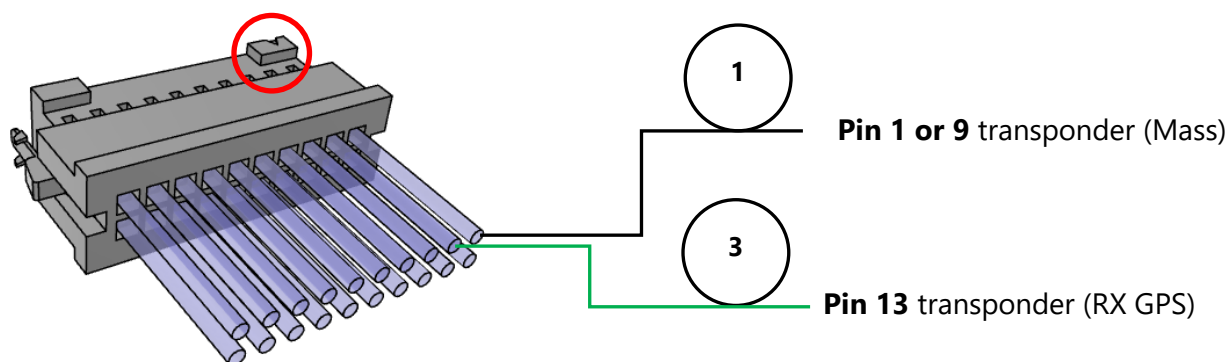
- Disconnect the original harness connected to the DB15 connector on the transponder.

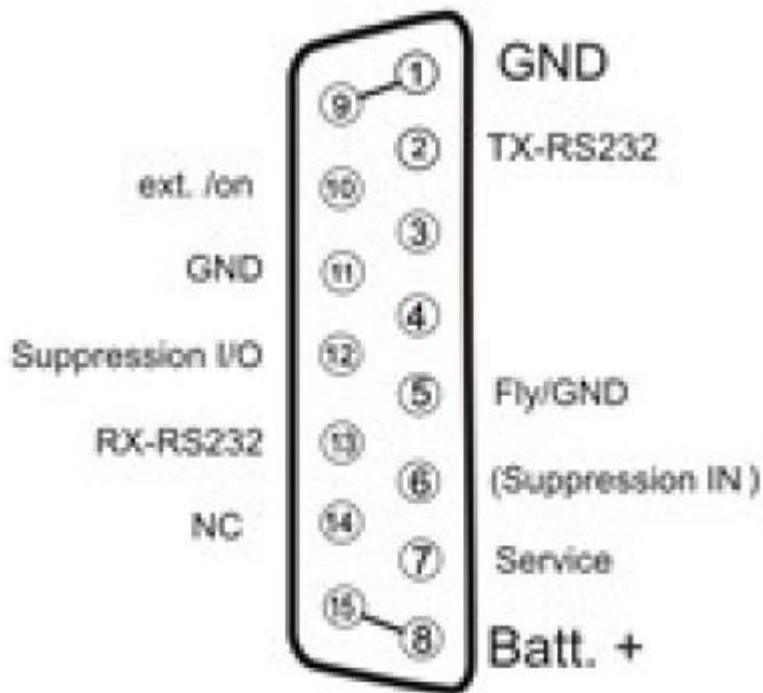


- Connect the **"SmartConnector"** instead .
- Reconnect the original transponder harness to the **"SmartConnector"**.
- Lock the whole thing.
- Connect the connector marked **"Transponder"** of the SuperNeurone harness to the **"SmartConnector"**.

## 1.2 Using the unequipped harness

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



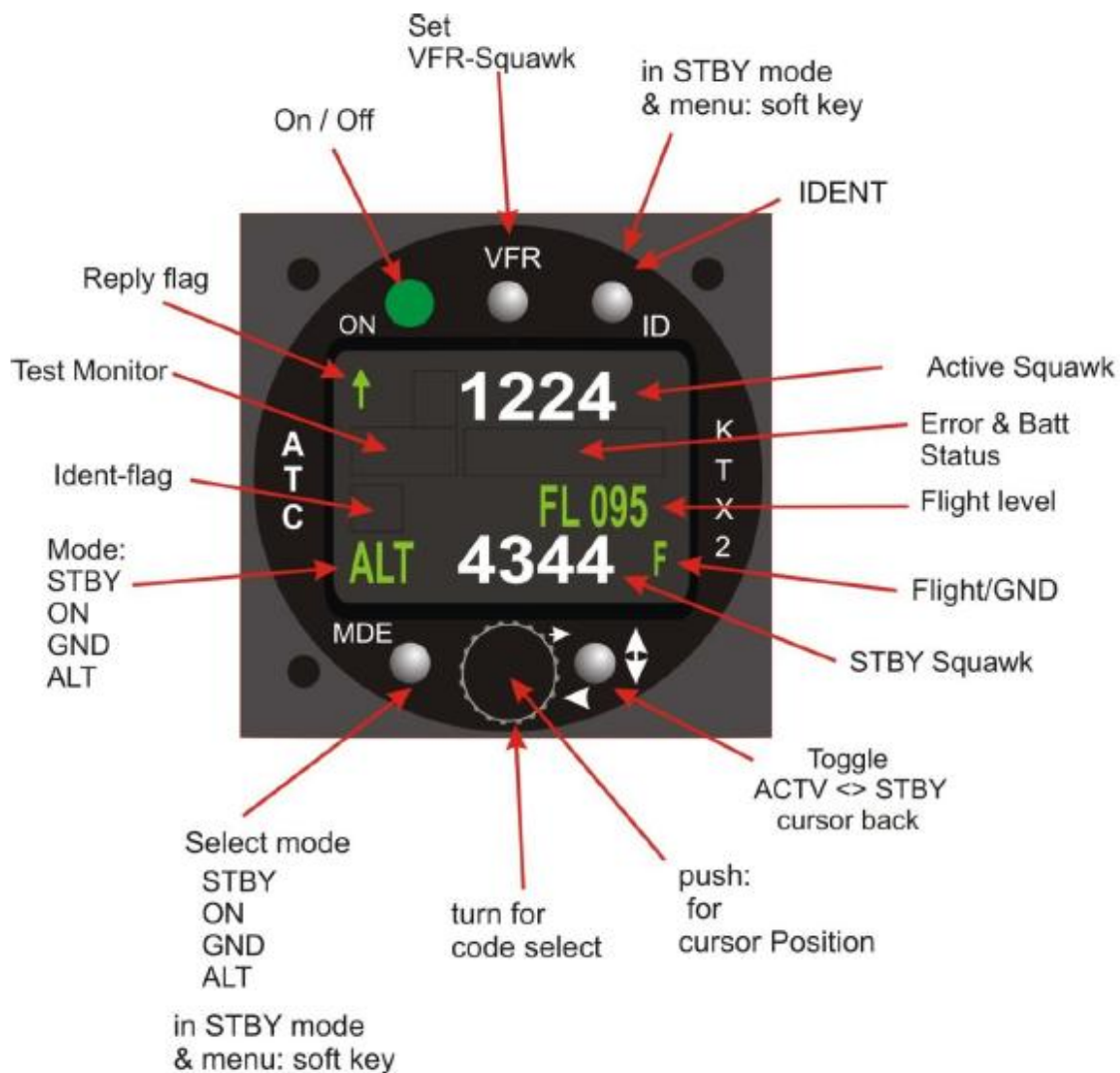


## 2 SuperNeurone Setup

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

- Select **KTX2**.
- 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



- To enter Setup mode :
  - Switch to **STBY mode** using the **MDE button**.
  - Press the **ID button** until **SetUP** appears (about 8 seconds of pressing).



- You are now in **Setup mode**.
  - Use the **ID, MDE, and rotary buttons** to navigate through the menus.
- Change the following setting:
  - Interface: **GPS 38400**