



Flying Neurons

SuperNeurone

*Connection to the BECKER
BXP6401-1 BXP6401-2
transponder*



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Amendments

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1.0	16/08/2026	First drafted

Contents

This document explains how to connect the SuperNeurone to the BECKER BXP6401-1 BXP6401-2 transponder to transform it into ADS-B Out.

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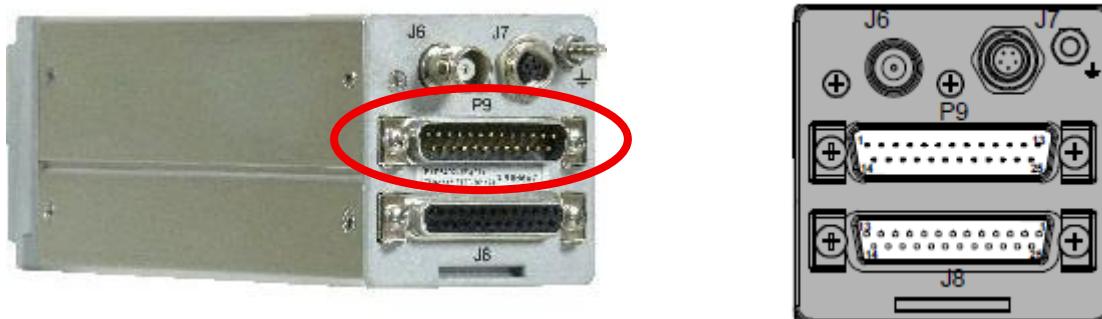
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1 Transponder Connection

1.1 Use of a "SmartConnector"

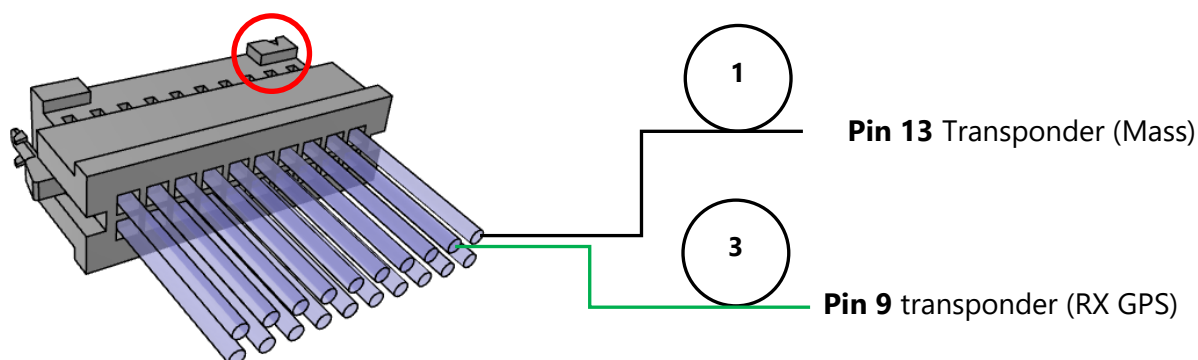
- Disconnect the original harness connected to the DB25 connector placed highest on the back of the transponder (labeled P9).



- 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"**.
- Connect pins 2 and 3 of the J8 connector

1.2 Using the unequipped harness

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



Connect Pins 2 and 3 of J8



2 SuperNeurone Setup

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

- Select **BXP6401**.
- 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

There is no configuration to be done on the transponder.