

Installation sheet

TRANSIT TAB Upgrade Kit

The TRANSIT TAB Upgrade Kit is designed to upgrade an existing TRANSIT Ultimate with a new TAB board hardware. The new TAB board features an HID OMNIKEY SE chip which is required to support the Smartcard-Booster End2End to read HID SEOS and iCLASS cards.

The TAB board is part of the TRANSIT Ultimate and normally does not need to be ordered separately. To upgrade the TAB board hardware on older readers the TRANSIT TAB Upgrade Kit is available (art. no. 9233741). See further below for more detailed installation information.



✓ TAB board hardware revision C



✗ Older TAB

Safety precautions

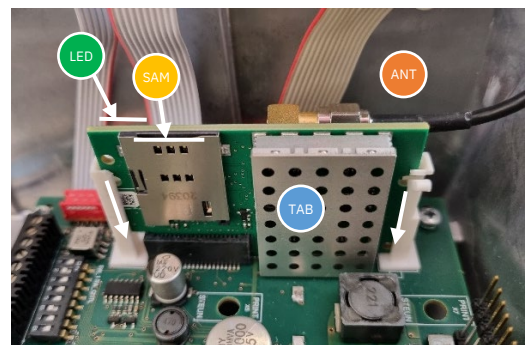
IMPORTANT: the following safety precautions should be observed;

- Disconnect TRANSIT Ultimate reader from (mains) power supply.
- Follow general safety and ESD (electrostatic discharge) precautions.
- Always first touch the metal housing of the TRANSIT before touching the electronics to discharge static electricity.
- Keep all electronics away from water and liquids.

Installation

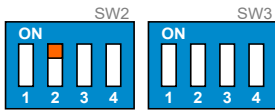
Follow the procedure below to replace the TAB board;

1. Power off and ensure safety precautions!
2. Remove original TAB board from TRANSIT Ultimate main board.
3. Disconnect 433 MHz antenna by unscrewing the coax cable (ANT).
4. If present, remove security key pack (SAM) from original TAB and insert into new TAB.
5. Connect 433 MHz antenna cable (ANT).
6. Place new TAB board onto TRANSIT Ultimate main board.
7. Setup DIP-switches. See next page.
8. Power-on and check LED indications. See next page.



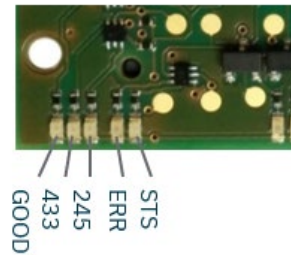
Setup DIP-switches

Enable Ultimate-mode by setting dip-switch SW2-2 ON (dip-switches are located on TRANSIT Ultimate main board).



LED indications

| LED | Description |
|--------|--|
| ● STS | Status LED Fast blinking: Starting up Regular blinking: Status OK, HID + SAM ready (0.5s on / 0.5s off) Double blink: Status OK, HID ready (no SAM) |
| ● ERR | Error LED Should normally be off (may temporarily indicate error and recover) |
| ● 245 | 2.45GHz microwave tag data received. This LED should blink when Tag or Booster in range. No indication when TAB bypassed. Ensure dip-switch SW2-2 is ON. |
| ● 433 | 433MHz tag data received. Only Smartcard-Booster End2End or Ultimate tags |
| ● GOOD | Yes! Smartcard-Booster End2End card read successful. Smartcard-Booster Ultimate authenticated successful. |



Technical support

For technical support please contact support@nedapidentification.com

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