

**MYLAPS EMEA Office**

Haarlem  
The Netherlands  
Tel: +31 23 529 1893  
E-mail:  
info@mylaps.com

**MYLAPS Americas Office**

Atlanta  
USA  
Tel: +1 (678) 816 4000  
E-mail:  
info.americas@mylaps.com

**MYLAPS Japan Office**

Tokyo  
Japan  
Tel: +81 3 5275 4600  
Email:  
info.japan@mylaps.com

**MYLAPS Asia Pacific Office**

Sydney  
Australia  
Tel: +61 (0)2 9546 2606  
Email:  
info.asia.pacific@mylaps.com

[www.mylaps.com](http://www.mylaps.com)

**All rights reserved**

Copyright © 2008-2010 MYLAPS (previously AMB i.t. BV)

This publication has been written with great care. However, the manufacturer cannot be held responsible, either for any errors occurring in this publication or for their consequences.

The sale of products, services of goods governed under this publication are covered by MYLAPS's standard Terms and Conditions of Sales and this product manual is provided solely for informational purposes. This publication is to be used for the standard model of the product of the type given on the cover page.

Contact Information.....

1 System overview.....

2 Installation.....

    2.1 Installation sequence.....

        2.1.1 2-Way Communicator.....

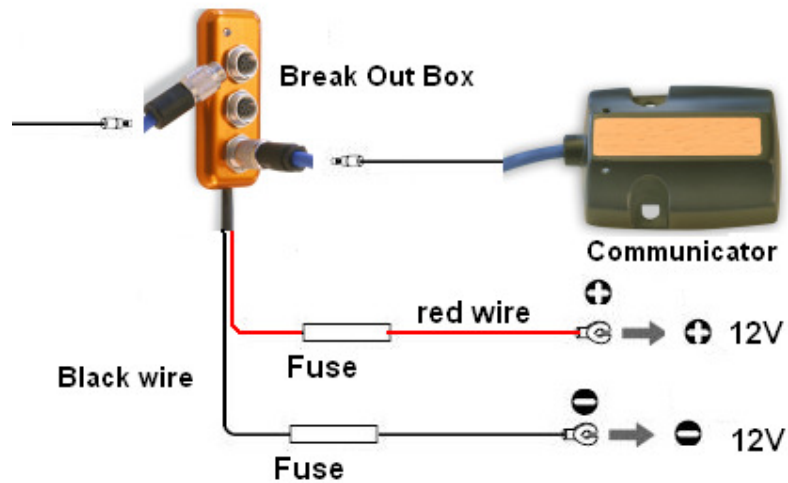
        2.1.2 2-Way BreakOutBox.....

    2.4 Warning and cautions.....

3 Technical Specifications.....

6 Guarantees & Warranties.....

Appendix 1: CE and FCC regulations.....



---

## 2 Installation

### 2.1 Installation sequence

Recommended positions:

1. 2-Way Communicator – in the wheel well or underneath the vehicle
2. 2-Way BreakOutBox – inside the driver compartment

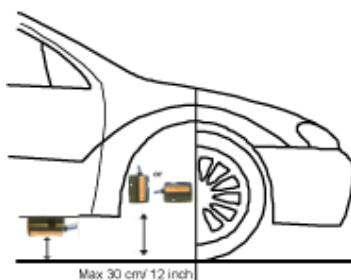
#### 2.1.1 2-Way Communicator

The 2-Way Communicator is the device that receives your official timing and positioning information (based on your personal transponder).

For optimal communication performance with the timing system, the 2-Way Communicator must be installed according to the installation requirements.

Installation requirements:

- The 2-Way Communicator should have a clear view to the track;
- The 2-Way Communicator is mounted max. 30cm (1ft) from the track;
- The 2-Way Communicator should not be installed within 30cm (1ft) of your Personal Transponder;
- Maximum operating temperature should not exceed 50°C/122F;
- No electrical wires or electrical devices within 10cm (4 in) to the 2-Way Communicator;
- No carbon fiber around the 2-Way Communicator.



Mounting instructions:

- Mount the 2-Way Communicator with the two mounting bolts provided in the kit;
- Route the cable to the 2-Way BreakOutBox;
- Secure the electrical cable of the 2-Way Communicator with tie wraps;
- Make sure that the electrical cable cannot be cut, stressed, or damaged.
- Recommended positions for the 2-Way Communicator:
  - In wheel case
  - On bottom plate

**Note:**

A loose item in a race vehicle can be very dangerous! Make sure the 2-Way Communicator cannot get detached. Use additional tie-wraps to secure it if necessary.

**2.1.2 2-Way BreakOutBox**

The 2-Way BreakOutBox is the device that establishes the connection between the 2-Way Communicator and the Onboard Display. The 2-Way BreakOutBox provides power and data to the 2-Way Communicator and Onboard Display.

Installation requirements:

- Locate a switched +12V power line and a ground (negative (-)) line;
- Position the power cable of the 2-Way BreakOutBox in the vehicle and cut the power cable to fit;
- Take the black shrink sleeve and slide it over the black (negative (-)) wire of the power cable;
- Take the red shrink sleeve and slide it over the red (+12V) wire of the power cable;
- Solder the fuse holder with the blue ring plug to the black (negative (-)) wire of the power cable;
- Solder the fuse holder with the red ring plug to the red (positive (+)) wire of the power cable;
- Shrink both shrink sleeves to isolate the solderings;
- Connect the power cable with the blue ring plug to the ground line (negative (-) pole) of the battery;
- Connect the power cable with the red ring plug to the switched +12V power line (positive (+) pole) of the battery.

THE 2-WAY BREAKOUTBOX POWER CABLES MUST BE SOLDERED TO THE FUSE HOLDERS IN ORDER TO PREVENT YOUR KIT AND ALL OTHER EQUIPMENT FROM DAMAGE!

Mounting instruction:

- Use 2 of the supplied Velcro strips to mount the 2-Way BreakOutBox inside the driver compartment.

**2.2 Warnings and cautions**

- While installing make sure not to damage any part of the fueling system, electrical wiring system, steering system or break system;
- Do not mount any component of the TnetX kit where it can interfere with any of the onboard safety systems
- The TnetX kit is designed for negative earth 12V DC operation only;
- Keep all electrical wiring away from moving parts, use tie-wraps to secure the cabling;
- Make sure the isolation of cabling does not get damaged;
- Connect the RED power lead only after all other leads have been connected;
- Secure the cables so they will not interfere with driving operations.

#### **2-Way BreakOutBox**

Power requirements:	12V DC
Current drain:	20 mA
Dimensions:	67 x 28 x 18 mm
Operating temperature:	-10 °C ..... +55 °C
Weight:	220g

#### **2-Way Communicator**

Power requirements:	12V DC
Current drain:	100 mA
Dimensions:	71 x 53 x 29 mm
Operating temperature:	-10 °C ..... +55 °C
Weight:	120g

Specifications are subject to change without notice.

## 6 Guarantees & Warranties

---

MYLAPS, formerly AMB, warrants that, for a period of three (3) years from the date of shipping the decoders and the MYLAPS MX Rechargeable Power (AMBmx), MYLAPS RC DP (AMBrc DP), MYLAPS KART DP (TranX160 DP), MYLAPS Kart Rechargeable Power (TranX160), MYLAPS Car/Bike DP (TranX260 DP), MYLAPS Car/Bike Rechargeable Power (TranX260), MYLAPS Car/Bike Pro (TranX Pro) transponders covered by this warranty with defects, as determined solely by MYLAPS, caused by faulty materials, workmanship or design will be repaired or replaced, unless such defects were the result of any of the following: shipping; improper installation, maintenance or use; abnormal conditions of operation; attempted modification or repair by the customer or any third party; use of the goods in combination with other items; or an act of God. If repair or replacement of the goods is not possible or economical for MYLAPS, MYLAPS may, at its option, refund the purchase price of the goods or deliver replacement goods at its sole discretion. MYLAPS's liability shall be strictly limited to replacing, repairing or issuing credits at its option.

MYLAPS warrants that, for a period of two (2) years from the date of shipping the ProChip, MYLAPS Kart Fixed Power (TranX140) and the MYLAPS RC Rechargeable Power (AMBrc) transponders covered by this warranty with defects, as determined solely by MYLAPS, caused by faulty materials, workmanship or design will be repaired or replaced, unless such defects were the result of any of the following: shipping; improper installation, maintenance or use; abnormal conditions of operation; attempted modification or repair by the customer or any third party; use of the goods in combination with other items; or an act of God. If repair or replacement of the goods is not possible or economical for MYLAPS, MYLAPS may, at its option, refund the purchase price of the goods or deliver replacement goods at its sole discretion. MYLAPS's liability shall be strictly limited to replacing, repairing or issuing credits at its option.

MYLAPS warrants that, for a period of one (1) year from the date of shipping the MYLAPS TnetX Kit covered by this warranty with defects, as determined solely by MYLAPS, caused by faulty materials, workmanship or design will be repaired or replaced, unless such defects were the result of any of the following: shipping; improper installation, maintenance or use; abnormal conditions of operation; attempted modification or repair by the customer or any third party; use of the goods in combination with other items; or an act of God. If repair or replacement of the goods is not possible or economical for MYLAPS, MYLAPS may, at its option, refund the purchase price of the goods or deliver replacement goods at its sole discretion. MYLAPS's liability shall be strictly limited to replacing, repairing or issuing credits at its option.

MYLAPS warrants that, for a period of one (1) year from the date of shipping, all other goods covered by this warranty with defects, as determined solely by MYLAPS, caused by faulty materials, workmanship or design will be repaired or replaced, unless such defects were the result of any of the following: shipping; improper installation, maintenance or use; abnormal conditions of operation; attempted modification or repair by the customer or any third party; use of the goods in combination with other items; or an act of God. If repair or replacement of the goods is not possible or economical for MYLAPS, MYLAPS may, at its option, refund the purchase price of the goods or deliver replacement goods at its sole discretion. MYLAPS's liability shall be strictly limited to replacing, repairing or issuing credits at its option.

If the requirements set forth above and described under Remedies and Damages are not complied with, our warranty/guarantee shall not apply and we shall be discharged from all liability arising from the supply of defective goods.

EXCEPT AS EXPRESSLY PROVIDED IN THIS SECTION, MYLAPS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND, NATURE OR DESCRIPTION, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OR MERCHANTABILITY, FITNESS OF THE GOODS FOR ANY PARTICULAR PURPOSE, OR NONINFRINGEMENT, AND MYLAPS HEREBY DISCLAIMS THE SAME.

## **Remedies and Damages**

1. MYLAPS shall not incur any liability under the above warranty unless:
  - i) MYLAPS is promptly notified in writing upon discovery by the customer that such goods do not conform to the warranty, and the appropriate invoice number and date of purchase information is supplied;
  - ii) The alleged defective goods are returned to MYLAPS carriage pre-paid;
  - iii) Examination by MYLAPS of goods shall confirm that the alleged defect exists and has not been caused by unauthorized use (including, without limitation, the use of an AMB decoder with non-MYLAPS hardware) misuse, neglect, method of storage, faulty installation, handling, or by alteration or accident; and
  - iv) With respect to MYLAPS decoders, customer has upgraded the firmware in its decoder within one month after MYLAPS has offered to provide customer with such upgraded firmware.
2. The customer acknowledges that the goods may include certain firmware imbedded therein. MYLAPS hereby grants a license to customer to use the imbedded firmware in an MYLAPS decoder, but only to the extent the decoder is used in connection with MYLAPS hardware. MYLAPS shall have the right to terminate the license immediately upon written notice to customer in case MYLAPS has a reasonable belief that customer at any time has used the MYLAPS decoder in connection with non-AMB hardware. Further, customer may not copy, compile, reverse compile, disassemble, translate, analyze, reverse engineer or attempt to reverse engineer the firmware, except as permitted by applicable law.
3. In addition, customer grants MYLAPS the option to repurchase any MYLAPS decoder if MYLAPS has a reasonable belief that customer has used the MYLAPS decoder in connection with non-MYLAPS hardware. The repurchase price shall be the fair market value on the date MYLAPS provides notice to customer that it intends to repurchase the decoder.

The above mentioned warranty/guarantee is irrespective of any rights granted to the buyer of MYLAPS equipment manufactured or sold by MYLAPS based on the laws of the Netherlands. Any correspondence regarding the above mentioned guarantee must be addressed to MYLAPS:

MYLAPS EMEA OFFICE HAARLEM

Zuiderhoutlaan 4

2012 PJ HAARLEM

THE NETHERLANDS

E-mail: [info@mylaps.com](mailto:info@mylaps.com)

Fax: +31 23 529 0156



**CE information:**

This device complies with the EMC directive 89/336/EEC. A copy of the declaration of conformity can be obtained at:

MYLAPS Sports Timing  
Zuiderhoutlaan 4  
2012 PJ Haarlem  
The Netherlands

**FCC information:**

[Compliance statement \(part 15.19\)](#)

This device complies with part 15 of the FCC Rules

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

[Warning \(part 15.21\)](#)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.