

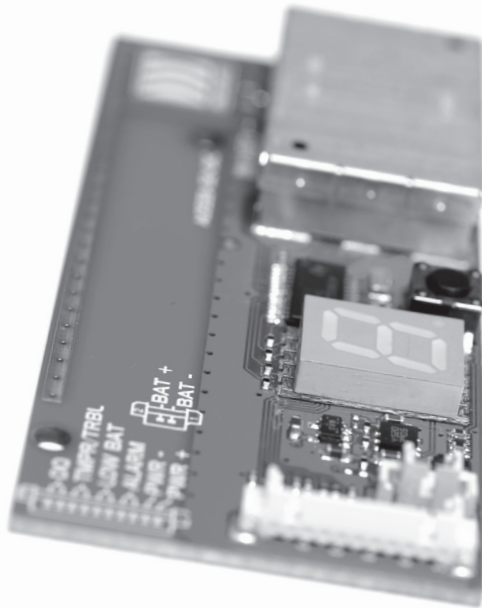
## Installation Guide

### Digital Transmitter Module

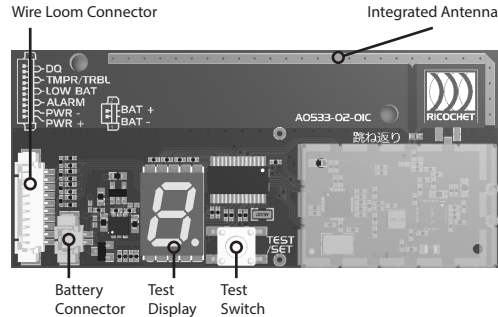
*Ricochet®* High Power Node

LAHA5001 - Integrated antenna

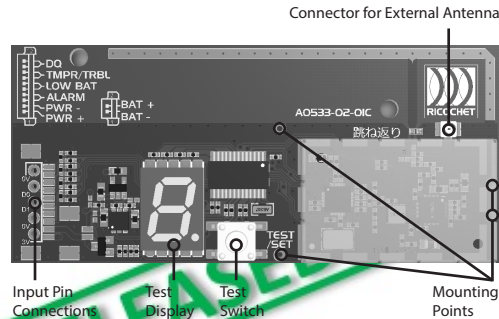
LAHA5002 - External antenna



### Digital Transmitter Module with Integrated Antenna (DTM)



### Digital Transmitter Module with External Antenna (DTMA)



## Installation

- Install the unit and battery holder (if required) inside the host unit using appropriate fixings.
- Connect the required inputs from the host unit using either the 10 way connector or the input pin connections.
- For the DTMA, the antenna should be connected and positioned away from metal obstacles and the SMA connection must be secured with shrink wrap sleaving or epoxy glue.
- To configure the device, insert the AA batteries whilst holding down the test switch. The LED display will flash showing the type of unit currently configured.
- Using the test button, select the number for the unit which the module has been installed in and then hold the button down to select. The unit will now attempt to learn to a Premier Elite 32XPW.
- The above selection will be retained when changing the battery. To re-configure the unit, repeat the above step. If changing the device number, the device will need re-learning.
- When not changing the configuration, the learn process is initiated by inserting the battery into

## Testing

To test the wireless link from the DTM back to the Premier Elite 32XPH-W, install the module and press the test button. The display will alternate top and bottom segments while it attempts to communicate with the Premier Elite 32XPH-W. If it is successful, it will display the signal strengths (1-9) for each hop. If it is unsuccessful, it will display an "F".

### Examples:

#### Display flashes 7, -, -

DTM has direct connection with the Premier Elite 32XPH-W, of strength 7.

#### Display flashes 8, 7, -

DTM is connected to the Premier Elite 32XPH-W through 1 other device. The strength of the signal between the DTM and the forwarding device is 8, and between the forwarding device and Premier Elite 32XPH-W is 7.

#### Display flashes 5, 8, 3

DTM is connected to the Premier Elite 32XPH-W through 2 other devices. The strength of the signal between the DTM and the first device is 5, between the first device and the second device is 8, and between the second device and Premier Elite 32XPH-W is 3.

#### Display flashes F

DTM has no connection to the Premier Elite 32XPH-W.

When assembling a system, DTMs should be placed and tested in order working outwards from the Premier Elite 32XPH-W.

**Note:** Devices are unable to communicate when they are less than 10m apart.

## Approvals

This product is tested and approved to Federal regulation 47 1A Part 15 Sub Part C as a modular transmitter.

**DTM : FCC ID:** MYJLAHA5001

**DTMA : FCC ID:** MYJLAHA5002

THE DTMA IS APPROVED WITH THE USE OF THE FMAG35153-SM-3K ANTENNA AND UFL TO SMA ADAPTOR. THE SMA ADAPTOR WHEN CONNECTED SHALL BE SHRINK WRAPPED OR

GLUED WITH EPOXY TO AVOID THE END USER CONNECTING ALTERNATIVE ANTENNA TYPES.

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

When this product is installed within another product and the module labelling is not visible then the Product label must include:-

"Contains Transmitter Module FCC ID:MYJLAHA500x"

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The following warning notice must be included in any product installation or user manual that the module is a part of:-

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

**Note:** The device should not be used within 20cm of the human body when the RF is enabled.

## Specifications

	Min	Nominal	Max
Supply Voltage	2.5V	3.0V	3.6V
Current Draw		100uA	350mA
Operating Frequency	920MHz		925MHz
Power Output			250mW
Max External Antenna Gain			2.0dBi

## Device Safety


- Do not expose any of the inputs or the power supply to voltages above 3.6V.
- Do not install the unit outside unless it is inside a detector or weatherproof enclosure.
- Ensure the product and battery holder are securely installed inside host unit.

## Battery Safety

- Do not throw into a fire.
- Do not heat.
- Do not charge.
- Do not short circuit.
- Do not disassemble.
- Replace only with the same or equivalent type.
- Observe local regulations when disposing of batteries.

### Regulatory information

**Supplier:** Texecom Ltd, St. Crispin Way, Haslingden, Lancashire, BB4 4PW, UK.

**Weee Directive:** 2012/19/EU (WEEE directive): Products marked with this symbol  cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

**Warranty:** 1 year replacement warranty

