## Important Information

<table>
<thead>
<tr>
<th>Fill this information for future use.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of purchase: <strong><strong>/</strong></strong>/____</td>
<td></td>
</tr>
<tr>
<td>Place of purchase: _________________</td>
<td></td>
</tr>
<tr>
<td>Invoice/Receipt #: ________________</td>
<td></td>
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<tr>
<td>Model Number: ________________</td>
<td></td>
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<tr>
<td>Production Code: ______________</td>
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<tr>
<td>Notes: ______________</td>
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</table>

## FCC Notice

This device complies with Part 15 of 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 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 this device.

**FCC ID: MKARI60**

## SPECIAL NOTE ON RANGE

The average reception range is approximately ½ mile (800 meters). The actual reception range could be greater or less depending on the location and/or the presence of obstacles between the vehicle and the receiver. The reception range can also be affected by the presence of strong electromagnetic interference from outside sources.
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Limited Warranty

Limited Warranty
Products manufactured by Aritronix, Ltd are warranted by the company to the original consumer purchaser to be free from defects in workmanship and materials. Should a product be found defective, Aritronix shall repair or replace the product or any part of the product which Aritronix agrees is defective without charge during the first 24 months from the date of original purchase provided that the product is returned to Aritronix freight prepaid and accompanied by a copy of the purchase receipt.

This warranty does not apply to any product damaged by accident, physical or electrical misuse or abuse, improper installation, alteration, any use contrary to its intended function, fire, flood, unauthorized repair or any other acts of God. Aritronix shall not be responsible for removal and/or reinstallation charges or theft of the motorcycle or its contents or any incidental or consequential damages caused by any failure of the product to function properly. Under no circumstances should this warranty or the product covered by warranty be construed as an insurance policy against loss or damage of any kind. Aritronix neither assumes nor authorizes any person or organization to make any warranties or assume any liability in connection with the sale, installation, or use of this product.

What should you do if you experience a problem with a Scorpio product?
First contact Aritronix, Ltd [Proof of purchase, installer and motorcycle information will be requested]. If after assistance from our trained staff it is determined that the Aritronix product may be faulty then you will be provided with detailed information on processing a warranty claim and instructions on how to send the product into our repair office. All warranty claims must contain a return material authorization (RMA). Aritronix will not accept any package that has not been approved for warranty repair/exchange and an issued RMA. Shipping charges may apply.
Problem | Possible Cause | Solution |
--- | --- | --- |
Will not arm | Key pad is locked | Unlock key by holding button 4 for four seconds |
 | Power or ground not connected | Verify connection to power lead and ground connection |
Turn signals will not flash | Grey wires from GEN-1 not connected or connected to wrong wires | Test wires and change connections to correct wires |
Perimeter Sensor not working | Sensor not connected | Check connections |
 | System activated with wrong button | Activate with button 3 instead of button 1 |
Ignition Disable does not work | Orange wire from GEN-1 not connected | Connect orange wire from GEN-1 to 12 volt (+) with ignition key on. In most bikes that is the tail light wire |
 | Ignition disable not connected to | Refer to options on the ignition disable instruction page. Test selected wire before reconnecting RID-5 wires. |

**Transceiver Information**
- Alarm Triggers
- Range Confirmation Signal
- Checking Violation Display
- Transceiver Battery Information
- Low Battery Stages

**Optional Accessories Instructions**
- Perimeter Sensor (SN 5)
- Back up Battery
- Ignition Disable / Anti hijack Unit

**Appendix**
- Troubleshooting guide
- Limited Warranty
- Important Information / Notes
- FCC Information
- Special Note
Components

- TRS-6 Transceiver
- MCM-55
- GEN-1 (Bag)
- ACC-1 (Bag)
- T-taps x4
- HAR-1 (Bag)
- Zip Ties x4
- Dust Cap x1

Planning the Installation

- Check that your motorcycle battery is fully charged.
- Check the layout of the motorcycle for placement of components.
- Verify that no moving parts interfere with the components or their wires.
- Verify that chosen location is not near extreme heat.
Antenna

To Battery (+)

Perimeter Sensor

Ignition Disable

Main Control Module (MCM-55)

Factory Connector Kit (GEN-1)

Generic Connector Kit (GEN-1)

Optional

Black Wire ----- Ground (-)

Orange Wire ----- Tail light (+)

Grey Wire ----- Turn Signal (+)

Grey Wire ----- Turn Signal (+)

Optional

To cut wire on bike *

--- Installation Diagram ---

--- Installation Diagram ---
Installation Warnings and Notes

Note: Connect the (HAR-1) harness to the MCM only after installation is completed.

Note: When the main harness (HAR-1) is plugged in, the siren should chirp. If the siren does not chirp; check the alarm inline fuse, connection to battery (+), and connection to ground (-).

Note: If the battery is to be removed, disconnect HAR-1 connector first. Reconnect only after battery terminals are reconnected.

Mounting the Components

Select a suitable location underneath the seat or in a side cover. Mount components using velcro or cable ties. Make sure that the components are not exposed or accessible. While the MCM will work in any position, placing it in a flat position will provide better performance.

Routing the Antenna Wire

For best performance the last 6" of the antenna should:
- Be as vertical as possible.
- Be away from metal as much as possible.

Making Connections

The necessary connector or wires are found under the seat or in the tail section of the bike. Removal of the tail section plastics or side cover might be necessary.

Ignition / Engine Control Wire Options:

Option #1: Positive lead wire on fuel pump
Option #2: Positive lead wire on fuel injection system
Option #3: Positive wire that goes to the ignition fuse in fuse box. This should be either a 10 or 15 amp fuse labeled IGN. (Carbureted Bikes Only)
Option #4: Ground wire from ignition module
Option #5: Positive wire from ignition module to ignition coil

Operating the Anti-Hijack Feature

While the engine is running, press and hold the transceiver’s button 1 and button 2 at the same time for 5 seconds. The siren will begin to chirp confirming that the Anti-Hijack feature has been activated. 15 seconds later, the siren will go off continuously, and the engine will shut down. To disarm, turn off the ignition switch and press button 2.
Ignition Disable / Anti-hijack Module (RID-5)

Installation

1. Cut the Ignition / Engine control wire (refer to options).
2. Attempt to start bike to test if correct wire is selected. If bike starts the wrong wire is selected, contact Aritronix for assistance. If bike does not start, correct wire was selected continue to step 3.
3. When packaged the RID-5 wire ends have been treated with clear silicon to protect the ends from fraying. Make sure they are stripped bare of this before continuing.
4. Connect one end of the cut wire to one of the blue tabbed wires in RID-5 with provided butt connector or any other solid connection option.
5. Connect second end of the cut wire to second blue tabbed wire in RID-5 with provided butt connector or any other solid connection option.
6. Test connections to insure that they are as solid as possible. *
7. Plug the RID-5 connector into the matching connector on the Accessory Harness.
8. Test RID-5 by activating alarm (without perimeter sensor) and try to start bike. If bike starts, please contact Aritronix for assistance.

* Failure to test for a loose wire could cause an accidental engine cut off.

Color Codes: (Color codes are not always valid. Always verify before making connections)

<table>
<thead>
<tr>
<th>Manufacturer</th>
<th>Ground (-)</th>
<th>Tail Light</th>
<th>Left Turn Signal</th>
<th>Right Turn Signal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honda</td>
<td>Green</td>
<td>Brown</td>
<td>Orange</td>
<td>Blue</td>
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<td>Kawasaki</td>
<td>Black</td>
<td>Red</td>
<td>Green</td>
<td>Grey</td>
</tr>
<tr>
<td>Suzuki</td>
<td>Black/White</td>
<td>Brown</td>
<td>Green or Black</td>
<td>Grey</td>
</tr>
<tr>
<td>Yamaha</td>
<td>Black</td>
<td>Blue</td>
<td>Green</td>
<td>Brown</td>
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<td>Purple</td>
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<tr>
<td>Ducati</td>
<td>Black</td>
<td>Yellow</td>
<td>White/Black</td>
<td>White/Green</td>
</tr>
</tbody>
</table>

Using the T-Tap Connectors and GEN-1 Connector:

1) Place the female T-Tap connector over wire, close and squeeze until it snaps.
2) Slip male T-Tap connector over hinged end of the female connector to make a connection.
Charging Instructions
The transceiver is pre-charged at the factory and will operate out of the box; we recommend that the transceiver should be charged for at least 10 hours when first operated to insure full life of the battery.
Plug in provided charger into the transceiver. While the transceiver is charging the icon will scroll from empty to full. When the transceiver is fully charged the icon will no longer change.
Recharge the transceiver every day to maintain full function.

Battery Status
The LCD will display 3 different icons to show the transceiver battery status.

Turning the Transceiver On/Off
To turn the transceiver on, press and hold button #4 until the transceiver chirps two times.
To turn the transceiver off, press and hold button #4 until the transceiver chirps two times followed by another two chirps, the LCD only shows the BBBBB and icon.

Back-up Battery (BAT-5)
The back-up battery provides the system the ability to transmit information and activate the siren when power is interrupted. If power is ever interrupted while the system is activated the back-up battery will be engaged. The transceiver will receive a trigger and the siren will sound in 25 second increments. If power is not restored the alarm will continue to transmit and sound for six cycles.

Note: The system has to be correctly installed for at least 12 hours before full function of the back-up battery can be used.

To check the status of the back-up battery, activate the system using button 1.
• If the system chirps 3 times the back-up battery is in good working condition
• If the system chirps 2 times the back-up battery is not fully charged or not installed.

Note: If power is purposely being interrupted, turn ignition key on and off before disconnecting power to limit the back-up to two cycles instead of six.

Note: If the system chirps only 2 times and it has been correctly connected for more than 12 hours, the battery needs replacement. (Contact Artronix for replacement options)
Mounting the SN-5

The Perimeter sensor uses high frequency microwave technology to detect mass density movement around the motorcycle. The signal can transmit through the seat, fiberglass, leather and plastic, but not metal. It is recommended to place this sensor under the seat as close as possible to the center of the motorcycle. With the provided Velcro, you can mount this sensor on top of the battery or any flat surface, making sure that the top side of the sensor is facing upwards. Place the perimeter sensor as far away from the MCM as possible.

Adjusting the Sensor

Although the sensor is preset from the factory it may be necessary to adjust the sensitivity to suit your specific application. Remove the plastic cap and turn the adjustment screw.

To increase sensitivity, turn adjustment screw clockwise.
To decrease sensitivity, turn the adjustment screw counter clockwise.

Note: Do not turn sensitivity above halfway. Doing so may cause false alarms.

Operating Instructions

The following instructions assume that the transceiver is within range of the motorcycle.

**Arm**

Press button 1

Screen will show

**Disarm**

Press button 2

Screen will show

**Amr Without Siren (Paging only)**

Press button 1 and 3

Screen will show

Siren: Chirp 5 Times
Turn Signals: Flash 1 Time

**Amr Without Siren or Opt Perimeter Sensor (Paging only)**

Press button 2 and 3

Screen will show

Siren: Sounds for a few seconds

**Panic / Stop Trigger**

Press button 3

Screen will show

Siren: Chirp 6 Times
Turn Signals: Flash 1 Time

Note: When pressing button 1, 2, or 3 the icon will flash to confirm the command has been sent.
Programming and Customizing Instructions

Entering Programming Mode

1) Press button 4 twice quickly to enter programming mode

2) Press button 4 to scroll through programmable options

Programmable options will be displayed. The selected option will flash.

3) Press button 1 to select icon and to begin programming

Note: At any time during programming press button 3 to exit without saving and return to the main screen.

Adjusting the Clock Time

Enter the programming mode. Scroll to the time and press button 1 to select. The screen will display time with the hour flashing. To program follow these steps:

- Press button 1 to toggle between hour and minutes.
- Press button 2 to adjust hour or minutes.
- Press button 4 to save and exit

Note: Clock only displays in 24 hour format (Military time)

Optional Accessories:

- Perimeter Sensor (SN-5)
- Back-up Battery (BAT-5)
- Ignition Disable (RID-5)
Selecting Transceiver Alert Type (Audible/Silent/Vibrate)
Enter programming mode. The icon will begin to flash, press button 1 to select. The LCD will display the current settings. To program follow these steps:

- Press button 2 to scroll between the alert options.
- Press button 4 to save and exit.

Alert options include: alert off, vibrate, audible, vibrate and audible.

Selecting Auto/Manual Arming (proximity to MCM required)
Enter the programming mode. Scroll to the icon and press button 1 to enter the arming selection screen. The LCD will display the current setting ([Act] or [PAS]) and the siren will chirp two or three times. To program follow these steps:

- Press button 2 to toggle between the alert options.
- Press button 4 to save and exit.

When entering the arming program mode, the siren and turn signals will confirm the current mode:

- Manual arming (Act) - siren chirps 2 times, lights flash 2 times
- Auto arming (PAS) - siren chirps 3 times, lights flash 3 times

(In Auto arming mode the system will automatically arm itself 60 seconds after the ignition is turned off.)
Selecting Siren Tone and Alarm Duration (proximity to MCM required)
Enter the programming mode. Scroll to the \( \mathcal{C} \) icon and press button 1 to select. The screen will display all of the sensor icons. To program follow these steps:

- Press button 4 to scroll between the sensor icons.
- Press button 1 to select sensor icon.
- Press button 4 to toggle between sound and duration settings.
- Note: There are 5 siren tones and 3 cycle duration settings for each sensor.

Press button 2 to adjust selection.
Press button 4 to save and exit.

Selecting Siren Tone and Alarm Duration (proximity to MCM required)
Enter the programming mode. Scroll to the \( \mathcal{C} \) icon and press button 1 to select. The screen will display all of the sensor icons. To program follow these steps:

- Press button 4 to scroll between the sensor icons.
- Press button 1 to select sensor icon.
- Press button 4 to toggle between sound and duration settings.
- Note: There are 5 siren tones and 3 cycle duration settings for each sensor.

Press button 2 to adjust selection.
Press button 4 to save and exit.

Transceiver Battery Information

The receiver is automatically turned on whenever the system is armed. To conserve battery the transceiver should be turned off when not in use, or when it's out of range for extended periods of time.

Low Battery Stages

It's recommended that the transceiver be charged daily when in regular use. If the transceiver is not charged daily the following stages will occur.

Low Battery: When the battery is low the \( \mathcal{CB} \) icon will cycle from 3 bars to 2 bars to 1 bar. The transceiver should be charged as soon as possible.

Receiver Turns Off: If the transceiver is not charged, at some point (approximately 7 days) the receiver will shut off. At this stage the LCD displays [CHRG BATTPAGE OFF] and there are no bars in the \( \mathcal{CB} \) icon.

No Response: If the battery is not recharged and all power is drained. The transceiver will not respond. The transceiver has to be charged before it can operate the system again. At this stage the LCD displays [CHRG BATTPAGE OFF] and the no-bar icon \( \mathcal{CB} \) will flash.
RCS (Range Confirmation Signal)
If the transceiver is within range of the MCM and the alarm is activated then the LCD will display \( \text{Icon} \).
If the transceiver does not receive the RCS, the \( \text{Icon} \) will not appear.

Checking Violation Display with Time Stamp

- Press button 4 once
  - If no alarm triggers in memory, all sensor icons will be displayed
- Press button 3 to exit and clear.
  - Or, press and hold button 3 for two seconds to erase memory.

- If the system was triggered, the last triggered sensor will be displayed
- Press button 4 repeatedly to scroll through the trigger memory

<table>
<thead>
<tr>
<th>Trigger #</th>
<th>Total # of triggers</th>
<th>Time of trigger</th>
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<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
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<tr>
<td>2</td>
<td></td>
<td></td>
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<td>4</td>
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</table>

Encoding a Transceiver

1. Unplug HAR-1 from the MCM-55 and plug it back in, the siren will chirp 2 times and the lights will flash 2 times.
2. Within 6 seconds of plugging in the HAR-1 turn ignition switch “ON” and “OFF” 3 times.
3. If step 2 is done correctly and within the time allowed, the siren will chirp 2 times and the lights will flash an additional 2 times to confirm that the system is in “Learn Mode”.
4. Press and hold button 1 until the system chirps 2 times and the lights flash 2 times to indicate that the MCM has learned the code. The transceiver echoes 4 chirps and the LCD displays \( \text{LEnN DONE} \) to confirm that the transceiver is encoded.
5. If you are encoding a second transceiver repeat step number 4 for the second transceiver before continuing to step number six.
6. Turn ignition “ON” and “OFF” to exit “Learn Mode”.

Note: The transceivers are programmed from the factory. Encoding is only necessary should the transceiver lose its code and will not arm or disarm the security system or if a second or replacement remote is obtained.
When the system is disarmed the turn signals will flash to indicate if there has been an alarm trigger. The lights will flash once to indicate that the system has been disarmed, additional flashes indicate that the following trigger has occurred:

- 1 flash then 1 additional flash = Shock Trigger
- 1 flash then 2 additional flashes = Tilt Trigger
- 1 flash then 3 additional flashes = Perimeter Sensor Trigger
- 1 flash then 5 additional flashes = Ignition Trigger

**Motorcycle Battery Safeguard with “sleep mode”**

- If the optional perimeter sensor is being used and the alarm is armed for more than 10 days, the system will automatically disable the perimeter sensor.
- If the alarm is armed for more than 30 days, the system will automatically shutdown its RF capabilities. In this mode the transceiver will no longer be able to operate the system but the system is still armed and protecting the bike.
- To disarm, trigger the alarm, and press button 2.

**Alarm Triggers**

- If bike is bumped, the LCD will display icon. The siren on the bike will sound for 5 seconds and the lights will flash. This cycle will repeat twice.
- If the perimeter sensor triggers a full alarm cycle, the LCD will display icon. The siren on the bike will sound for 5 seconds. This cycle will repeat twice (Note: The turn signal lights will not flash for a perimeter sensor trigger).
- If the bike is tilted, the LCD will display icon. The siren on the bike will sound for 30 seconds and the lights will flash. This cycle will repeat six times.
- If the ignition switch is turned on or tampered with, the LCD will display icon. The siren on the bike will sound for 30 seconds and the lights will flash. This cycle will repeat six times.
- If the main harness or battery power supply is disconnected (assuming optional Back-Up battery is installed), the LCD will display icon. The MCM-55 will still continue to sound and transmit from its internal power source. The siren on the bike will sound for 30 seconds. This cycle will repeat six times.
- The transceiver will continue to flash the triggered icon until any button is pressed.

**Transceiver Information**

**Alarm Triggers**

- If bike is bumped, the LCD will display icon. The siren on the bike will sound for 5 seconds and the lights will flash. This cycle will repeat twice.
- If the perimeter sensor triggers a full alarm cycle, the LCD will display icon. The siren on the bike will sound for 5 seconds. This cycle will repeat twice (Note: The turn signal lights will not flash for a perimeter sensor trigger).
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- The transceiver will continue to flash the triggered icon until any button is pressed.

**Note:** The transceiver will sound a unique tone to correspond with the triggered sensor.