Tire Pressure Monitoring System
User Manuel
Model: THC03 & THE01

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1、Product Introduction

(1) This tire pressure monitoring system contains highly accurate sensors to detect tire pressure and temperature; and RF modules send data via radio wave to the digital receiver placed in driver's cabin.

(2) The tire pressure monitoring system -THC03 starts to detect pressure and temperature automatically when the vehicle is in motion. The tire pressure monitoring system - THE01 starts to detect pressure and temperature automatically when the sensor is mounted. Pressure and temperature data will be showed on the LCD screen of digital receiver. If the pressure and temperature go wrong, the driver will be warned with LCD backlight, beep, and flashing numbers. Therefore, the driver can take action immediately.

2、Safety Notice

(1) Tire pressure monitoring system is a vehicle safety warning system. Please follow installation guide and instruction carefully. When the system sends out warming signals, please check your tires immediately.

(2) This product has to be properly installed and programmed by professional technician.

3、Vehicle Application

This product is suitable for heavy-duty vehicles such as truck and bus.(4~14 wheels)

4、What are Included in the Package

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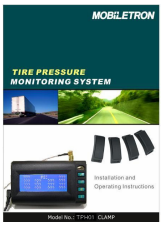
4.7 RF Cable: 3~9 pcs	4.8 Strap：4~14 pcs	4.9 User Manual：1 copy
		

5、Installation of TPMS

5.1 Use Flexible Gooseneck Windshield Suction Cup or Adhesive Pedestal Disk to Install Receiver

5.1.1 Place the gooseneck arm on somewhere you can see it clearly (e.g. windshield). 5.1.1.2 Attach its suction cup on windshield.	
5.1.2 Install the receiver on somewhere you can see it clearly (e.g. dashboard). 5.1.2.2 Peel off the sticker cover of the Pedestal disk and attach it to the dashboard.	
5.1.3. Fix receiver on the flexible gooseneck windshield suction pedestal. 5.1.3.2 Screw antenna cable connector onto the receiver. 5.1.3.3 Plug DC power cable into receiver power jack and cigarette lighter socket。	
5.1.4. LCD screen will show “???”	??? PSI ??? ??? ??? ??? ??? ??? ??? ??? ??? ??? ??? ??? ???

5.1.5. Reverse above steps to remove the receiver.	

5.2 Install Transmitter

Attention: Transmitters must be installed by professional technicians. The technicians have to follow the installation guide step by step to install transmitters correctly.

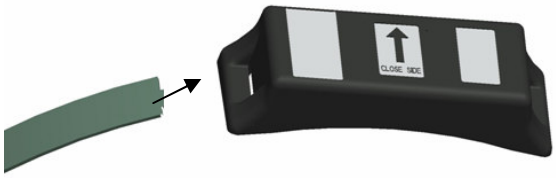
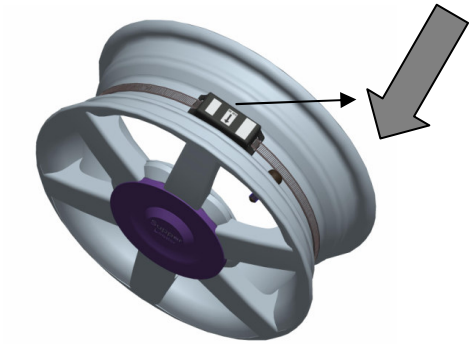
Following tools and instructions are for technicians, not for end users.

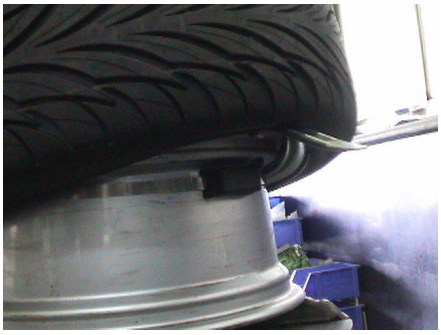
Tools：

- Tire Changer
- Wheel Balancer
- Pliers
- Other Hand-tools

5.2.1 Install Clamp Type Transmitter

(Before install the tire please set up the ID of the transmitter first, refer to NO.10)

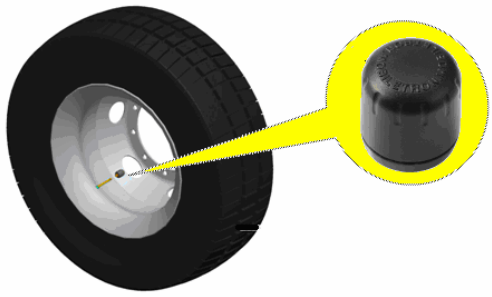
5.2.1.1 Please follow the standard procedures to dismount tire from rim.	
※※IMPORTANT: **5.2.1.2 Set up the ID of the transmitter and must keep other transmitters away from at least 1m away to avoid taking the same signal Then install the clamp.**	
5.2.1.3 Make sure arrow on the transmitter point to rubber valve side.	

5.2.1.4 Put the transmitter in the lowest area of the rim or drop center, and beside valve. Tighten the strap.(Torqre must over 0.35 kfg-m) Suggestion: Place lock of strap opposite to transmitter mounting position for better tire rebalancing.	
5.2. Cut excess strap off to approximately one 1nch (25mm); blunt sharp cutting edge.	
5.2.1.6 Wheel Balancing is required after transmitter installation.	
5.2.1.7 Reverse the above steps to remove a transmitter. **Suggestion:Tell technician that you have installed TPMS before he changes the tire.**	

5.2.2 Install Cap Type Transmitter

Please follow steps below to install cap type transmitter. Wheel balancing is required after the installation.

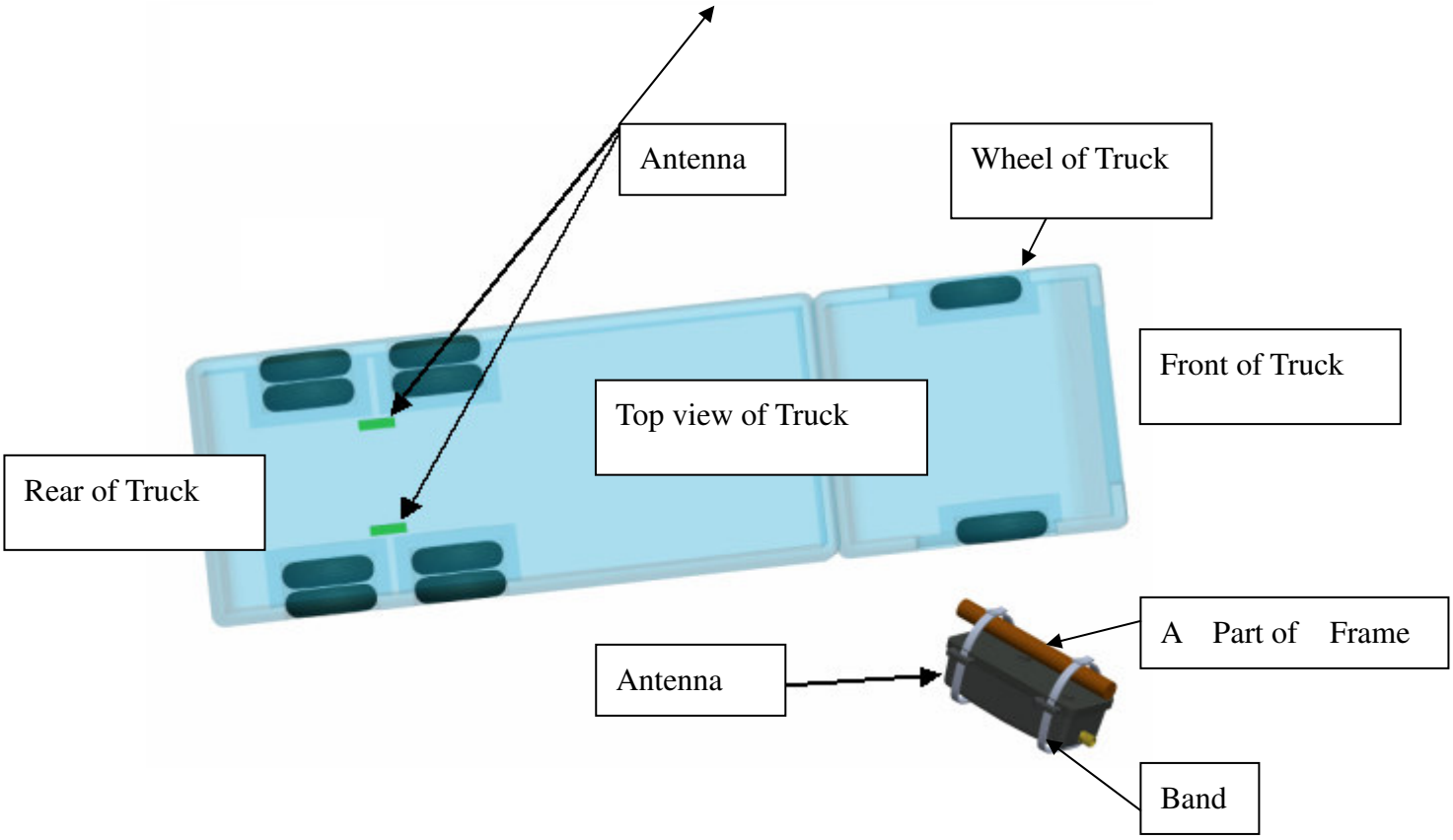
※※IMPORTANT: Install NO.5.3 first then turn on the Receiver and go to the General Set Up Mode/Search TX ,then place the transmitter one by one

1. For example: Install in rear axial twin wheels	2. Disassemble twin wheels
	
3. <u>Place the transmitter on the valve. Make sure the one gets the signal and wait 2 mins then you can go to the next.</u>	4. Set tightened torque at 9~10 Kgf.cm.
	
5. Fasten inner wheel with transmitter mounted to the transmission shaft.	6. Complete the installation by fastening outer wheel with transmitter mounted to the transmission shaft.
	

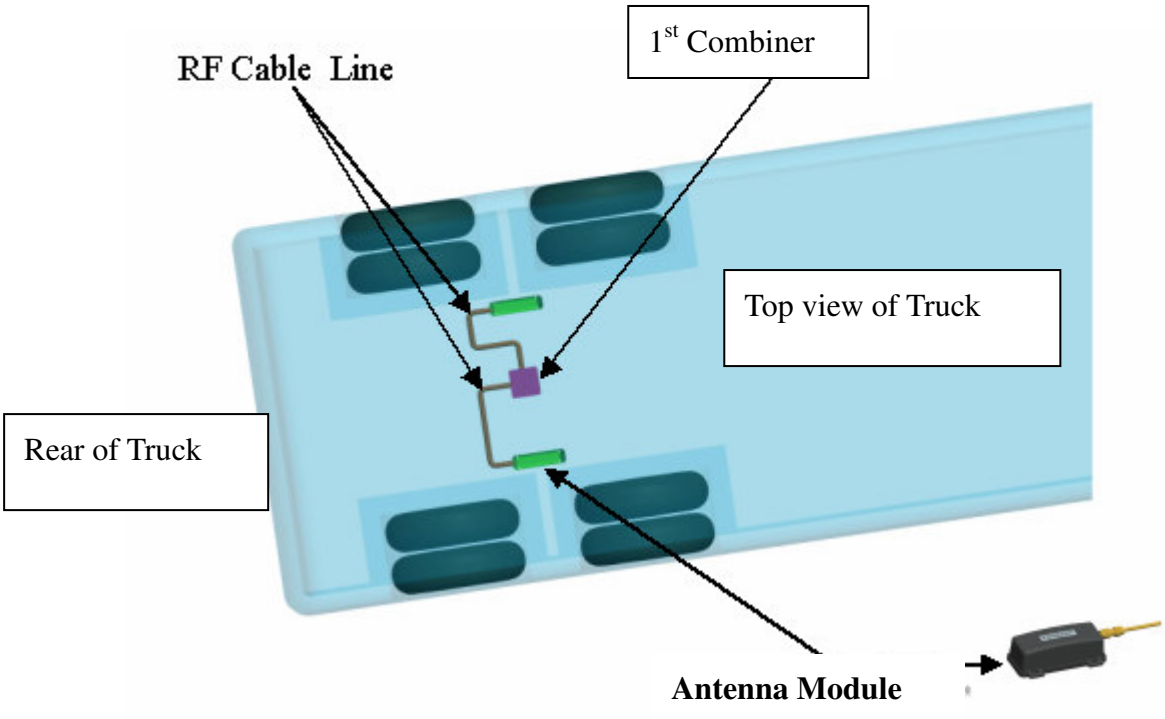
5.3 Install Antenna and Power Combiner

5.3.1 Install on truck (example for 8 wheels)

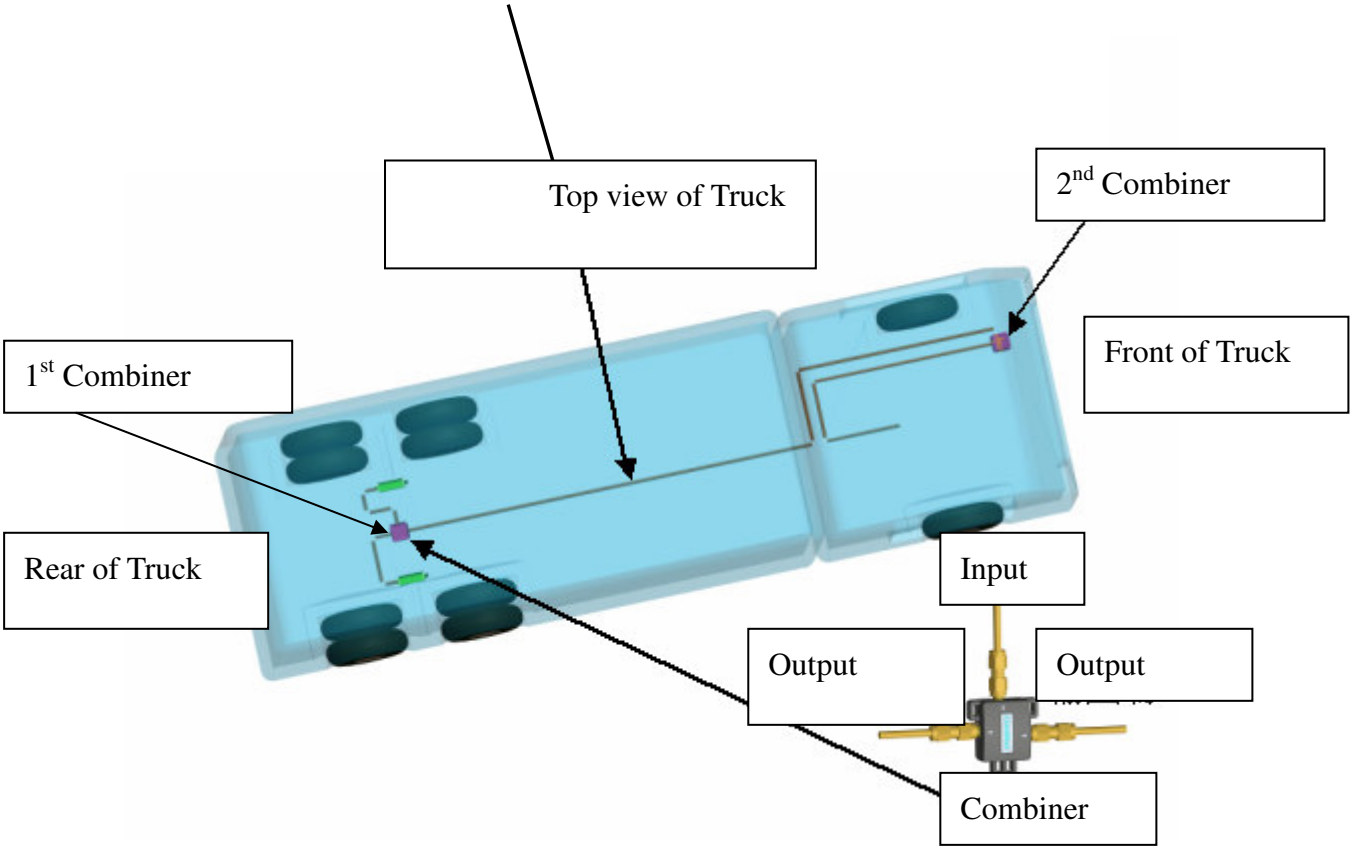
1. First, install antenna modules at two sides of chassis(Frame), which are close to the rear tires as shown in the diagram below. Bottom of antenna case should be facing to fixture.



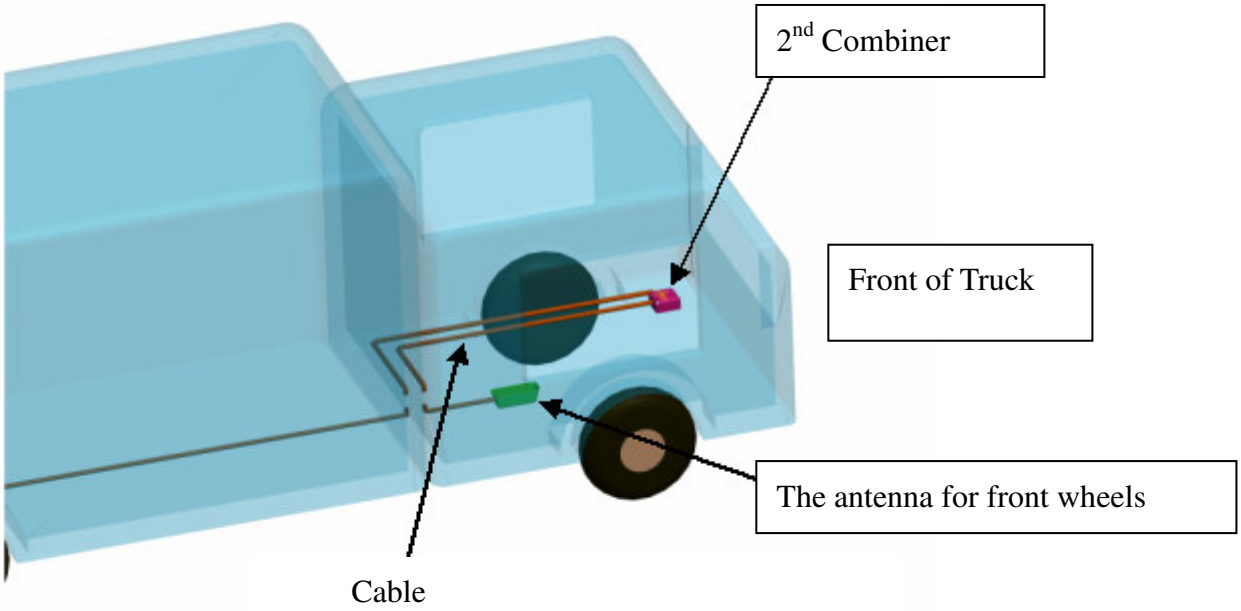
2. Connect two 1.5 m RF cables from antenna to 1st power combiner.



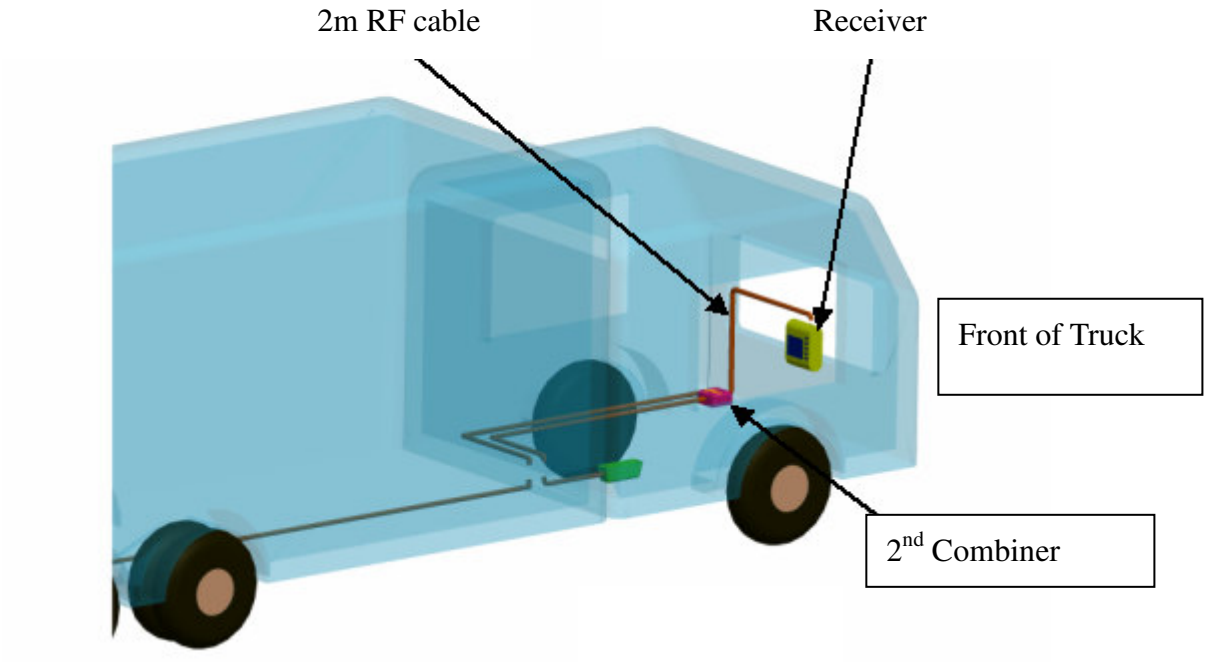
3. Connect one end of 10m RF cable to the output of 1st power combiner, and the other end to 2nd power combiner input in driver's cabin.



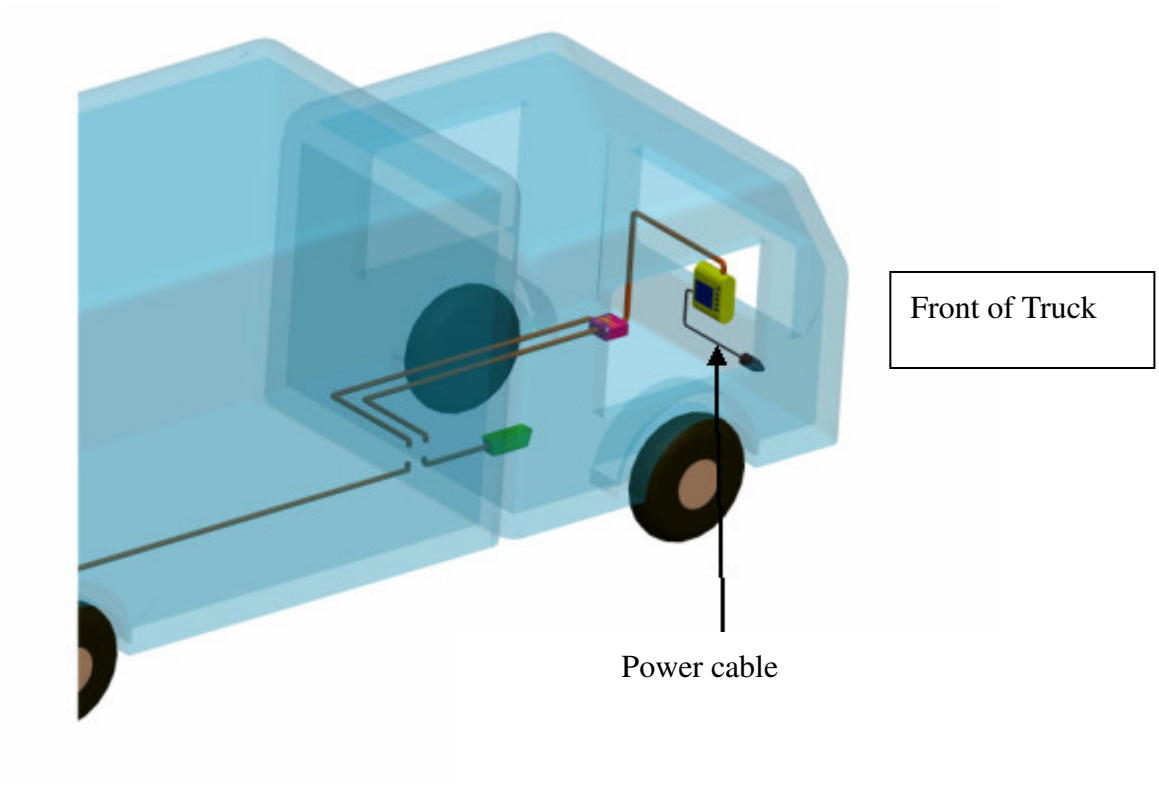
4. Connect a 6m RF cable line to input of the second power combiner, pull it to the chassis and connect it to the antenna module for front wheels.



5. Connect 2m RF cable from the 2nd power combiner's output to the receiver's input. Mount the receiver according to the instructions.



6. Finally, connect the power cable to the cigarette lighter socket.

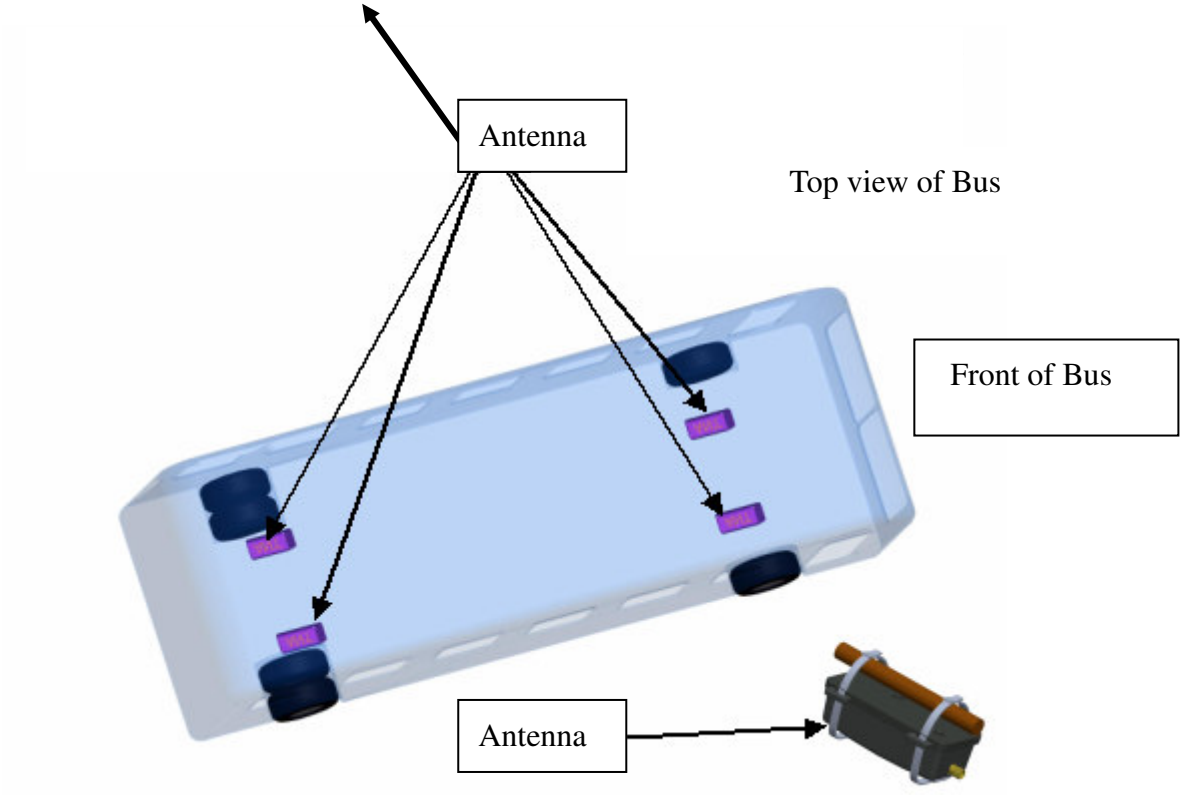


Attention:

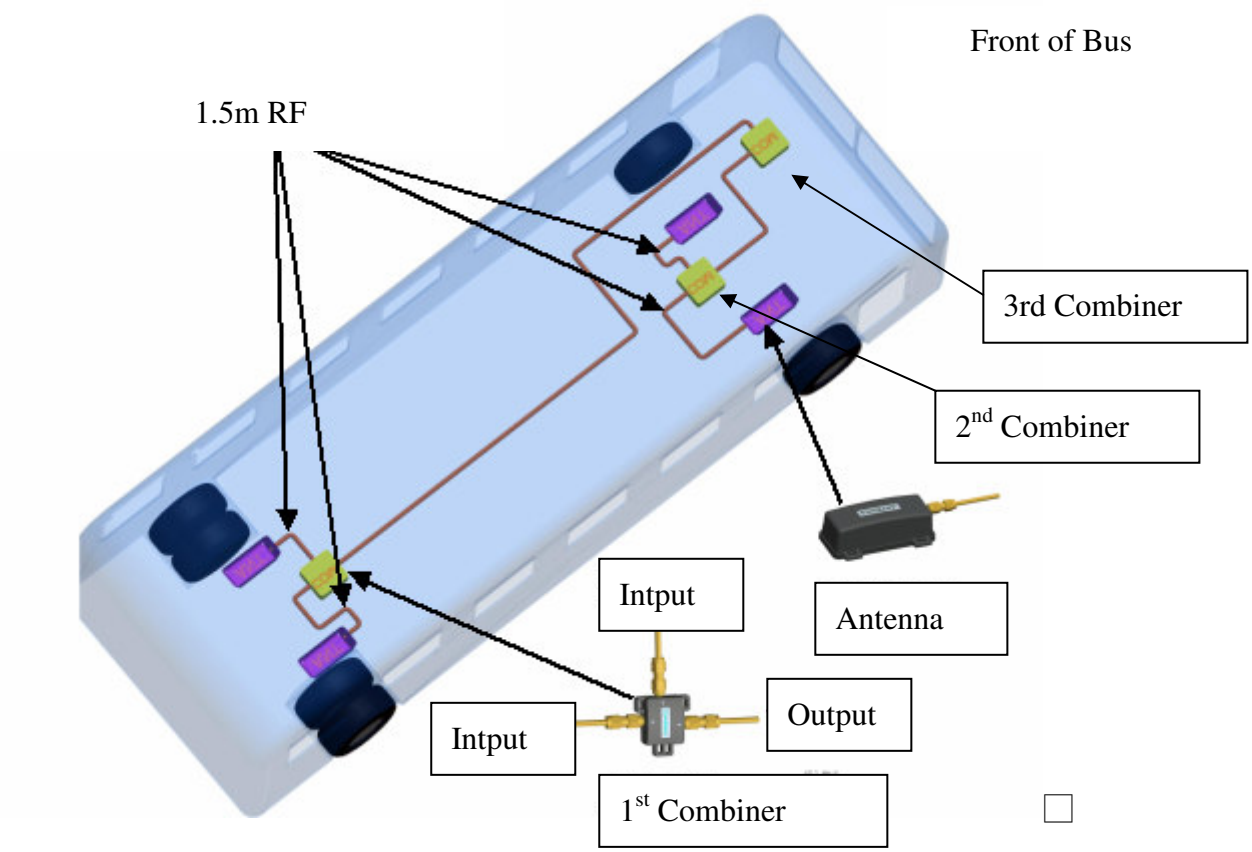
1. The SMA connections between RF Cables, power combiners, and antenna modules should be wrapped using water-proof tape.
2. Use cable ties to bind the RF cables, power combiners, and antenna modules properly.

5.3.2 Install on bus (example for 6 wheels)

1. First, install four antenna modules on any fixtures available that are fastened on chassis(Frame) and close to tires.
   Bottom of antenna should be facing to fixture as shown in the diagram below.

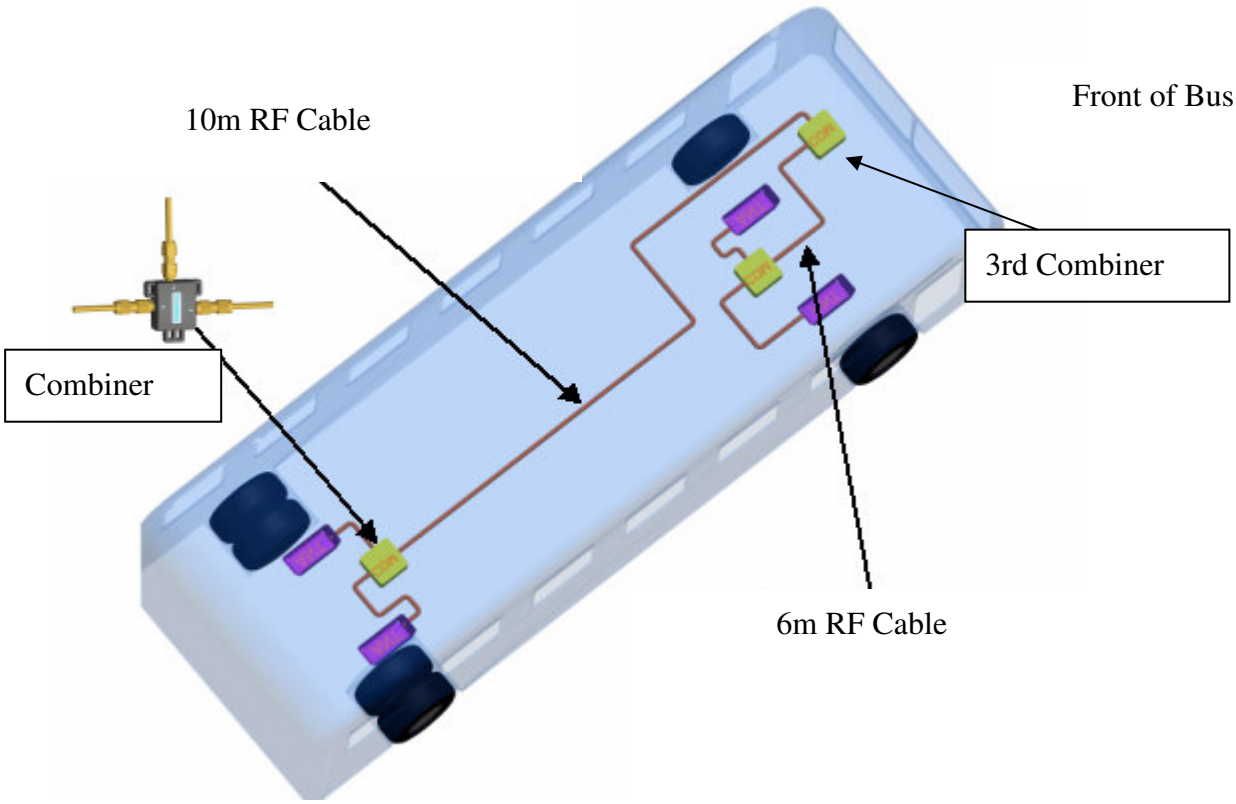


2. Connect four 1.5 m RF cables from antenna to combiner.

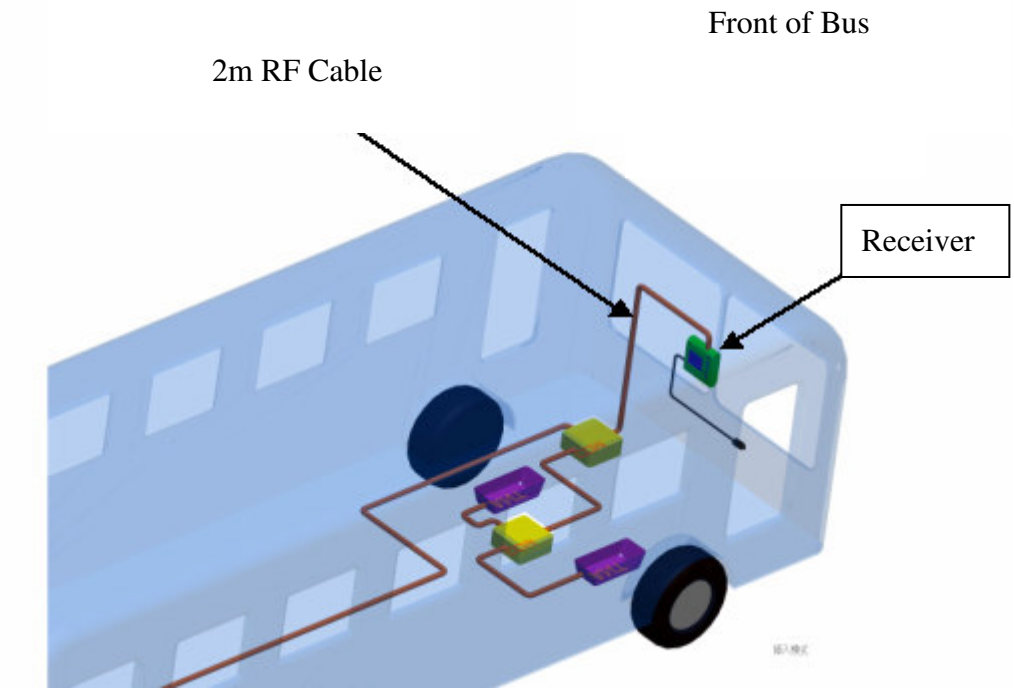


3. Connect one end of 10m RF cable line to the output of the 1st power combiner for rear wheels, and the 3rd power combiner input in driver's cabin.

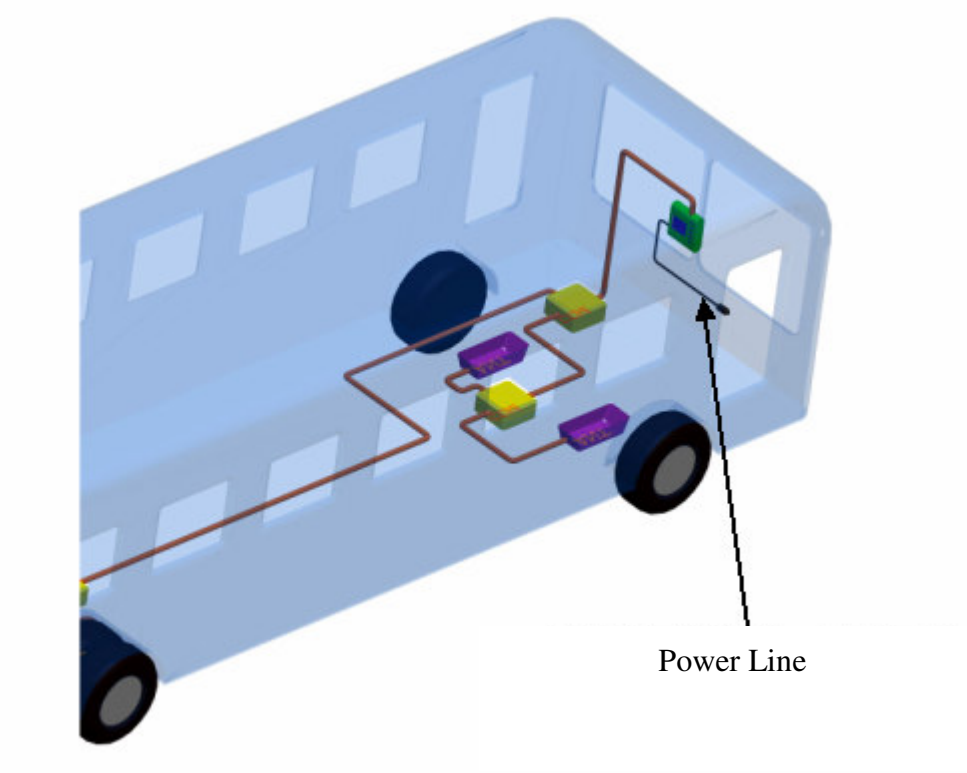
4. Connect a 6m RF cable to intput of the 3rd power combiner, pull it to chassis and connect it to the output of 2nd power combiner for front wheel antenna modules.



5. Connect 2m RF cable from the 3rd combiner's output to the receiver's input. Mount the receiver according to instructions.



6. Finally, connect the power cable to the cigarette lighter socket.



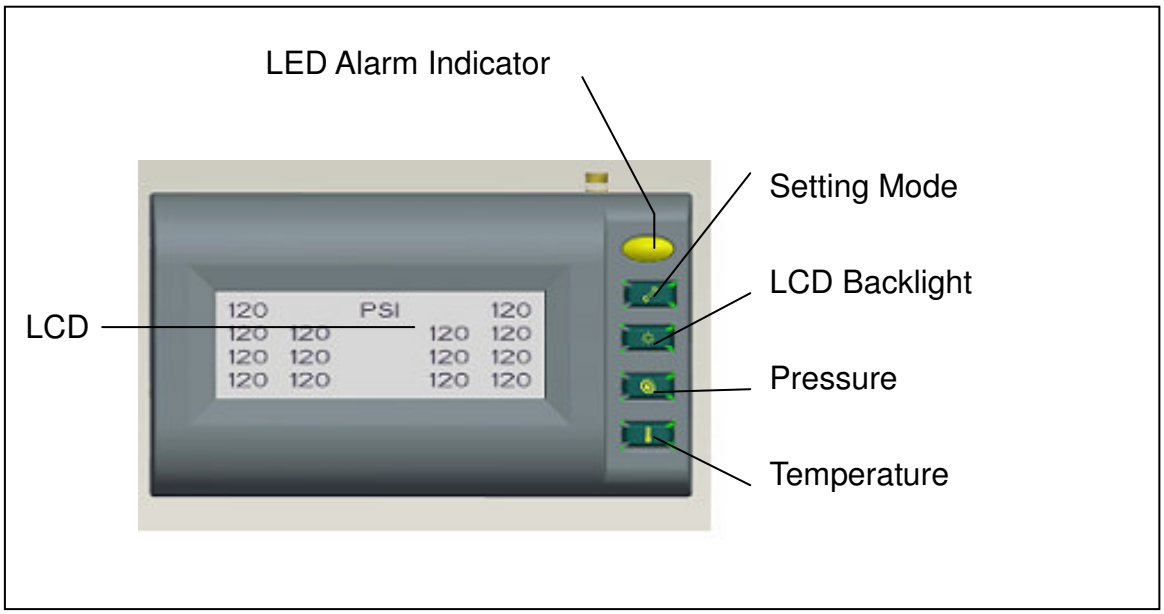
Attention:

1. The SMA connections between RF Cables, power combiners, and antenna modules should be wrapped using water-proof tape.

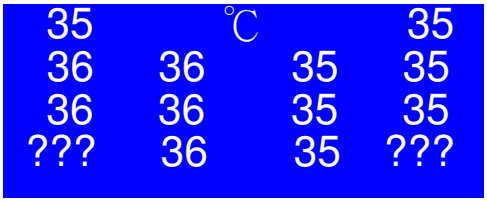
2.Use band to bind the RF cables, power combiners, and antenna modules properly.

6. Digital Receiver Function Description

6.1 Digital Receiver Diagram, Display Control and Indicators



6.2 The Receiver Button Function Description

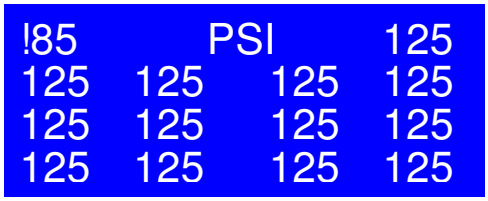
	1.Temperature Button	Display temperature of tires after press button  . If no data received, the corresponding tire pressure will be displayed as ???. 
	2. ↓ (Downward Button)	In **"General Set Up Mode"**，acts as downward button to select function and number.
	3.Backward Button	In **"Special Set Up Mode"**，acts as backward button to select tire for programming.
	1.Pressure Button	Display pressure of tires after press button  . If no data received, the corresponding tire pressure will be displayed as ???. 
	2. ↑ (Upward Button)	In **"General Set Up Mode"**，acts as upward button to select function and number.
	3.Forward Button	In **"Special Set Up Mode"**，acts as forward button to select tire for programming.
	1.LCD Display Backlight Button	Press button  to switch the backlight of LCD Display. 
	2.Confirmation Button	In set up mode，button  acts as confirmation button.
	1.Activate Set Up Button	Press button  more than 2 seconds to enter into **"General Setup Mode".**

	2.Exit Set Up Mode	Press button  again to exit “Setup Mode”.

Note：Values shown above are for reference only.

7. Alarms and Warnings

7.1 Pressure Threshold Alarm and Warning

1. Tire pressure lower/higher than Manual Pressure Threshold Setting： Low/High Pressure Warning is initiated when the pressure drops below /rises above the programmed Pressure Threshold Setting Limit.	***Remark:** The manual pressure thresholds suggested being lower than 108 PSI and higher than 144PSI. The pressure threshold value is adjustable by user.
■ **Warning Actions Include：** (1) LED Alarming Indicator blinks once. (2) **Two** short audio alarm. ■ **Suggested Action to Warning：** When the warning occurs, reduce speed and proceed to a safe location to check tires.	**Example:** When the tire pressure is lower than threshold, the LCD display will show something as below and initiate the pressure warning. 
2. Tire pressure drops below the Factory-Preset Low Pressure Threshold Setting： Low Pressure Alarm is initiated when the pressure drops below the Factory-Preset Threshold Setting Limit. ■ **Alarm Actions Include：** (1) LED Alarm Indicator blinks once. (2) **Three** short audio alarm. (3) LCD Display Backlight remains on ; The pressure value of the anomalous tire will be kept flashing and shown on the associated tire location. ■ **To Cancel Alarm actions：** Proceed **“Reset”** function as described on **“General Set Up Mode” Section 8.4.** Or	**Remark:** The low tire pressure warning value is set as 75% of the cold tire pressure. (1) The cold tire pressure for valve cap transmitter is the initial pressure detected while the transmitter screwed on the tire. (2)The cold tire pressure for clamp type transmitter is the tire pressure detected while the transmitter is waking up by its centrifugal switch. (if the tire pressure is below 120PSI, the cold tire will be detected as 120PSI, e.g. the low

the low pressure warning will remain on the display even re-power the receiver.

■ **Suggested Action to Alarm：**
When the alarm occurs，reduce speed and proceed to a safe location to check tires.

Note：The Pressure Deflation Alarm will disappear when the tires are properly re-inflated to correct levels.

tire pressure warning value will be 90PSI.

Example:
When the tire pressure is 85PSI, the LCD display will remain as left and the warning will activate.

←

3. Leak Warning

When the tire pressure decline rate is over 10PSI/minute(fast leaks) or 12PSI/10 min.(slow leaks), the transmitter will initiate the warning. The tire pressure and the !!!! warning signal will flash with interchanging.

Note：The leak warning might be wrongly initiated if the tire pressure is dramatically changed, esp. under the heavy rain or the significant temperature falls.

Note：Value shown above is for reference only.

7.2 Temperature Threshold Alarm and Warning

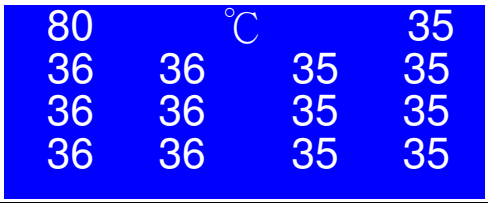
1. Tire Temperature higher than Manual Temperature Threshold Setting：

High Temperature Warning is initiated when detected tire temperature is above the programmed Temperature Threshold Setting Limit.

- **Warning Actions Include:**
  (1) LED Alarming Indicator blinks once.
  (2) Two short audio alarm.
  (3) The pressure value of the associated tire flashes once
- Suggested Action to warming：
  When the warning occurs，reduce speed and proceed to a safe location to check tires.

Note:
The default manual threshold Setting Limit is 75℃.

Example:
When the tire temperature is 80℃,the LCD display will remain as below and the warning will activate.

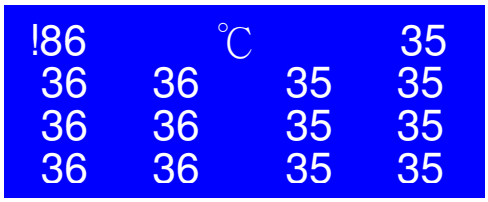


2. Tire Temperature higher then **Factory-Preset Temperature Threshold Setting：**

High Temperature Alarm is initiated when tire temperature rises above the Factory-Preset Temperature Threshold Setting Limit.

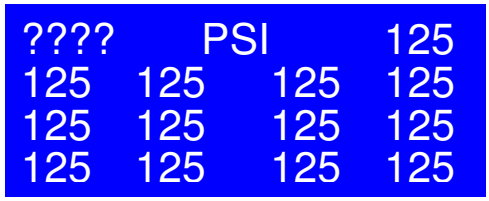
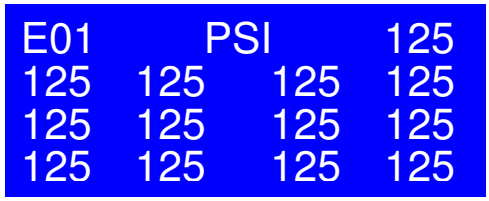
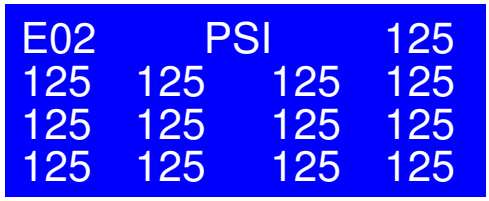
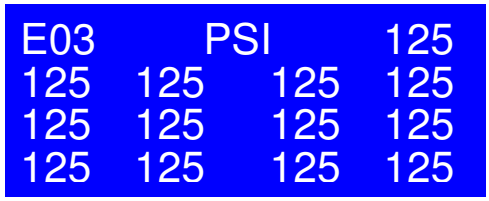
- **Alarm Actions Include:**
  (1) LED Alarming Indicator flashes once.
  (2) Three **short** audio alarm.
  (3) LCD Display Backlight remains on；The temperature value of the anomalous tire will be kept flashing and shown on the associated tire location.
- **To Cancel Alarm actions：**
  Proceed **"Reset"** function as depicted on **"General Set Up Mode" Section 8.4.** Or the low temperature warning will remain on the display even re-power the receiver.
- **Suggested Action to Alarm：**
  When the alarm occurs，reduce speed and proceed to a safe location to check tires.

Example:
When the tire pressure is 86℃,the LCD display will remain as below and the warning will activate.



Note:
The Factory-Preset Temperature Threshold Setting Limit is set at 85℃ in the transmitter firmware.

7.3 Other Warnings

1. Communication failure warning When the receiver has not received a transmitter signal over 30 min., the ???? symbols will be shown on LCD display at the corresponding position. If the above symbols continuously remains on the display, the system might be poorly communicated or malfunctioned. Please return to the original manufacturer for further inspection. **Note：**If the receiver restarts, the counter will recount.	
2. ID correctness failure warning Once turning on the receiver, the transmitter ID code will be checked automatically. If the ID identification failed, the LCD display will display E01 signal as warning. **Note:** If the ID identification failure warning occurs, please re-setting the transmitter ID code.	
3. Low Battery Warning The low battery warning will be initiated while the transmitter is going to run out of battery. The tire pressure and the E02 warning digit will also flash alternately on the LCD display。 **Note:** If the transmitter low battery warning occurs, please replace it with new transmitter.	
3. **Sensor Malfunction Warning** While the pressure and temperature sensing functions failed during sensor detection, the tire pressure and the E03 warning digit will flash alternately on the LCD display. **Note:** Please replace it with new transmitter.	

Note：Value shown above is for reference only

8. General Set Up Mode

8.1 Manual Low Pressure Threshold Setting

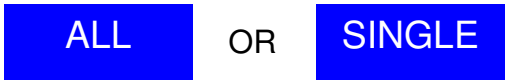
1. Press button for more than 2 second to go into **"General Set Up Mode".**

2. Use button (act as downward button) and button (act as upward button) to select **"Low Pressure Warning "** setting.

3. LCD Display will show :

Press button to confirm

4. Use button (act as downward button) or (act as upward button) to select the setting for all or single tire. Press button to confirm.



5. If select SINGLE tire, use button (act as downward button) or button (act as upward button) to select the tire location for setting. Press button to confirm.

6. Use button (act as downward button) or (act as upward button) to select the low tire threshold setting value. Press button to confirm the pressure value. Or press button to cancel the above setting and exit **"General Set Up Mode".**

8.2 Manual High Pressure Threshold Setting

1. Press button for more than 2 second to enter **"General Set Up Mode".**	2. Use button (act as downward button) and button (act as upward button) to select **"High Pressure Warning "** setting.
3. LCD Display will show : Press button to confirm **High Pressure Warning**	4. Us e button (act as downward button) or (act as upward button) to select the setting for all or single tire. Press button to confirm. ALL OR SINGLE
5. If select SINGLE tire, use button (act as backward button) or button (act as forward button) to select the tire location for setting. Press button to confirm. →01 Pick Tyre 02 03 04 05 06 07 08 09 10 11 12 13 14	**6.** Use button (act as downward button) or (act as upward button) to select the high pressure threshold setting value. Press button to confirm the pressure value. Or press button to cancel the above setting and exit **"General Set Up Mode".** 144 PSI

8.3 Manual Temperature Threshold Setting

1. Press button for more than 2 second to enter **"General Set Up Mode"**.	**2.** Use button (act as downward button) and button (act as upward button) to select **"High Temperature Warning"** setting.
3. LCD Display will show : Press button to confirm **High Temperature Warning**	**4.** Use button (act as downward button) and button (act as upward button) to select a number as High Temperature Threshold. 75 ℃
5. Press button to confirm setup value. Or press button again to exit **"General Set Up Mode".**	

8.4 Reset: (Clear present pressure and temperature values. This procedure will also cancel alarm status temporarily)

1. Press button for more than 2 second to enter **"General Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Reset"** setting. RESET
3. Press button to confirm. OK	**4.** All previous pressure and temperature figures will be clear and show " ???". This main function is used to remove the display of low pressure warning.

8.5 Restore Factory-Preset Value

(This function is to restore the manual pressure and temperature threshold value to the factory-preset threshold. The Factory-Preset Low Pressure Threshold Value=108PSI, High Pressure Threshold Value=144PSI; Factory-Preset Temperature Threshold Value=75℃)

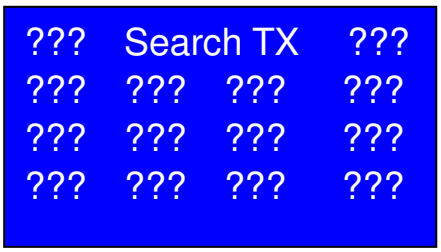
1. Press button for more than 2 second to go into **"General Set Up Mode"**.	**2.** Use button (act as downward button) and button (act as upward button) to select **"Default"** setting. Press button to confirm Default
3. LCD Display will show default Threshold Setting Value (P= Pressure、T = Temperature). P=108/144 PSI T=75 ℃	**4.** Press button again to confirm Factory-Preset Threshold Setting. Or press button to cancel the restore function and exit **"General Set Up Mode".** and Threshold will remain as previous Manual Threshold Setting Value. OK

8.6 "Search TX"—for Valve Cap Transmitter only

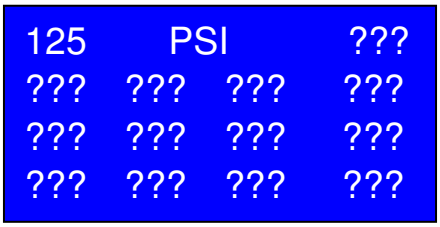
1. Press button for more than 2 second to enter **"General Set Up Mode"**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Search TX"** setting. Press button to confirm. Search Tx

3. Use button (act as backward button) and button (act as forward button) to select the tire location for setting ID code.

Press button to confirm



4. Once received the TX ID code, the tire pressure will be shown at the associated tire location on the display. Transmitter searching then completes. Press button to cancel the search function and exit **"General Set Up Mode".**



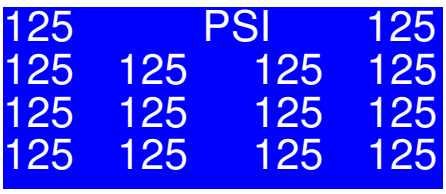
Note:

1. All ID setting should be finished within two minutes. Or the receiver will stop searching automatically. And when you install the next transmitter, please wait 2mins or displace the former transmitter.

2. The TX searching function is only for valve cap transmitter. For the initial installation on tires, each valve cap transmitter should do the pairing setting according to the 8.6 section.

8.7 Exit General Set Up Mode

1. Press button to exit the General Set Up Mode. The LCD Display will return to initial display.



Note： Value shown above is for reference only.

9 Special Set Up Mode

9.1 Exchange Wheel Location

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Exchange Wheel Location"** setting. Press button to confirm. **Exchange Wheel Location**
3. Use button (act as backward button) and button (act as forward button) to move →cursor to select the tire location for rotation；Press button to confirm. →01 Pick Tyre 02 03 04 05 06 07 08 09 10 11 12 13 14	**4.** Use button (act as backward button) and button (act as forward button) to move ← cursor to select the tire location for rotation；Press button to confirm. →01 Pick Tyre 02 03 04 05 06 07 08← 09 10 11 12 13 14
5. Repeat the above setting procedures until all Transmitter ID codes are set to the associated tire location on the display.	

9.2 Manual input new transmitter ID code (Please contact with us)

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode"**.	**2.** Use button (act as downward button) and button (act as upward button) to select **"New ID Input"** setting；Press button to confirm.

3. LCD Display will show： **New ID Input**	**4.** Use button (act as backward button) and button (act as forward button) to move → cursor to select the tire location for ID input；Press button to confirm. →01 Pick Tyre 02 03 04 05 06 07 08 09 10 11 12 13 14
5. Use button (act as downward button) and button (act as upward button) to select a number ; Press button to confirm then move to the next number；Press button to cancel. (The ID below is for reference) **ID：5A1B001A**	**6.** Double check input ID number to ensure it is identical to that on the Label of **new** Transmitter；Press button to confirm and complete the setting. Then install the transmitter in the associated tire **OK**

9.3 Set Pressure Unit Mode

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Set Pressure Unit"** mode.
3. The LCD Display will show： **Set Pressure Unit** Press button to confirm.	**4.** Use button (act as downward button) and button (act as upward button) to select psi, kPa, Bar unit. Press button to confirm. **PSI**

9.4 Set Temperature Unit Mode

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select **"Set Temperature Unit"** setting.
3. The LCD Display will show : Press button to confirm. **Set Temperature Unit**	**4.** Use button (act as downward button) and button (act as upward button) to select ℃ or ℉ unit. Press button to confirm. ℃

9.5 Display Wheel Location Mode

1. Simultaneously press button and for more than 2 seconds to enter **"Special Set Up Mode".**	**2.** Use button (act as downward button) and button (act as upward button) to select" **Display Wheel Location"** setting. **Display Wheel Location** Press button to confirm.
3. The LCD Display will show : →01* Location 02* 03* 04* 05* 06* 07* 08* 09* 10* 11* 12* 13* 14*	**4.** Use button (act as backward button) and button (act as forward button) to move →cursor to select the wheel location for display. Press button to cancel or set ∗ signal. →01* Location 02* 03 04 05 06 07* 08* 09* 10* 11* 12* 13* 14*

6. Press to confirm and return to **"Special Set Up Mode"**. **Display Wheel Location**	

9.6 Exit Special Set Up Mode

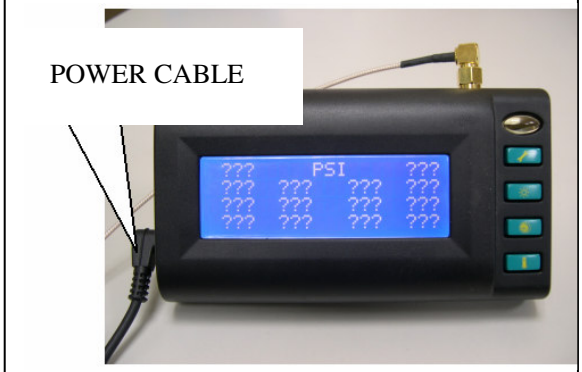
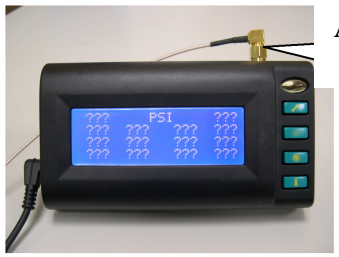
Press button again；LCD Display will return as initial display.

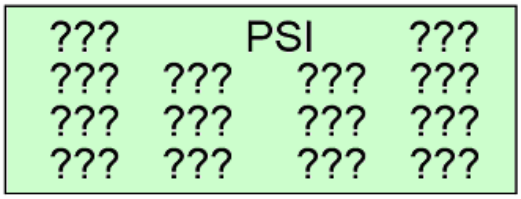
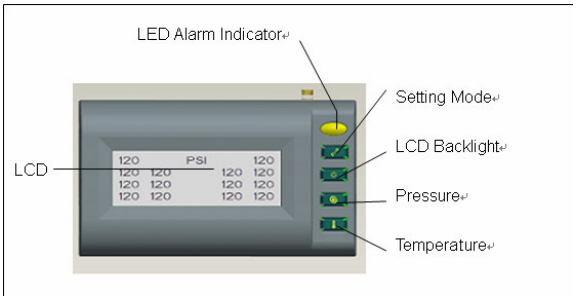
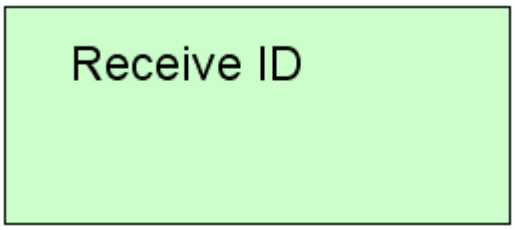
125 PSI 125

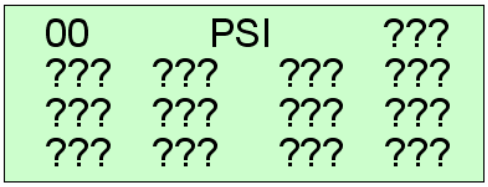
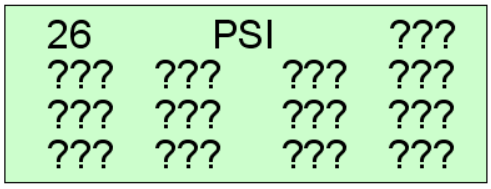
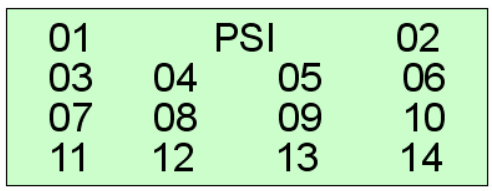
125 125 125 125
125 125 125 125

Note：Value shown is for reference only.

10. Receive ID Mode---LF setting for clamp transmitter

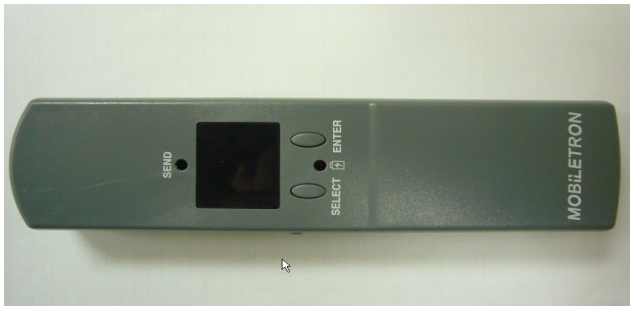
1. Put the 12DCV or 24DCV POWER CABLE to the Receiver.	
2. Tighten the Antenna.	

3. Check if the LCD of the Receiver shows "**???**".	
4 Simultaneously press button and for more than 2 seconds to enter **"Receive ID Mode".**	
5 Check if the LCD of the Receiver shows. "Receive ID".	
6 Turn on the LF.	
7 Check if the LCD of the LF shows "01".	

8 Put the LF near the transmitter at least 30mm. 9 We suggest that installing the tire after setting. **10 ※※IMPORTANT:When setting,please keep other transmitter away from the setting transmitter at least 1m** **註:If you are not sure it receives the signal or not please do it again or refer to NO.9.2 "Manual input new transmitter ID code"**	 
11 Push the button of "ENTER" And the "SEND" LED will flash.	
12 Then the receiver will receive the signal and show "00" (No pressure)	
13 If the transmitter is already in the tire ,you will see the tire pressure. **14 ※※IMPORTANT:If you want to check the tire as usual ,you may push any button of LF and the receiver will show the pressure(The signal active distance of LF is 1m)**	
15 The "SELECT" button can select the tire position from 1st to 14th tire.	

16 After setting, push button the LCD of the Receiver shows “Receive ID Cancel”	Receive ID Cancel
17 As the voltage is below 6.2V，the LF shows “LP“.	
18 As recharge ,the LF shows red ,and it will disappear until the voltage is above 8.4V.	
19 LF will turn into “SLEEP MODE” over 30secs, push any button to wake up.	

NOTE：The value above is for reference.



LF CONTROLLER

11. Limit Warranty

Mobiletron, hereby warrants that this Mobiletron wireless tire pressure monitoring system shall be free from material defects in workmanship and/or materials until the expiry of twelve months from its purchase by the end user, EXCEPT WHERE any such defect has been caused by: Improper or non-normal use, Improper installation, contacts with any corrosive or otherwise harmful substance, any other acts or omission not sanctioned by the User Manual.

- Mobiletron warrants the wireless tire pressure monitoring system product for twelve months from the end user purchase date under normal operation condition, which is free from manual improper operation, improper installation or any casualty.
- Mobiletron's sole obligation shall be to repair or replace the defective product at no charge to the original owner.
- Mobiletron warns the user or driver of the driving safety by the limited warning signal range, and does not protect or take the responsibility of the user's or driver's safety directly.
- In no event will Mobiletron be liable for any direct, indirect, special, incidental or consequential damage, including loss of profit, loss of savings, or any other damages caused by product, or its documentation, or failure of the product to perform, even if Mobiletron has been advised of the possibility of such damages.

11.1 Warranty Service

(1) The above warranty will be honored by the retailer from which it was purchased, provided that the owner can provide dated proof of purchase.

(2) In the event that any defect in the unit is covered by the above warranty, Mobiletron will replace the affected components free of charge, shipping prepaid. The owner shall be responsible for any labor and installation costs incurred in removing the defective parts and/or installing the replacement.

(3) The retailer shall at Mobiletron' cost send any unit which is defective as described in the above warranty to Mobiletron at No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Taichung Hsien, Taiwan 428.

11.2 This Limited Warranty Provided by Mobiletron Does Not Cover

(1) Product that have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, improper transportation, repair or service in any way that is not authorized by Mobiletron.

(2) Any damage attributable to fire, flood, lightning strike or act of God.

(3) This limited warranty coverage will exclude the package material and user manual.

(4) The damage caused from benzene, alcohol or any corrosive cleaner.

(5) Any repair should implement in Mobiletron by returning from the Mobiletron authorized retailer. Any repair without authorization will be excluded from the warranty.

12. Things to Notice

Temperature Compensated Pressure Readings

(a) When a tire heats up, caused by long duration of driving or braking, the air pressure inside the tire can also be expected to increase, e.g. tire temperature increases 20℃ to 30℃ may lead to 3psi to 6psi pressure increment.

Never use chemical material to clean Digital Receiver.

Never take Digital Receiver apart for repair! Whenever there is problem, please contacts dealer for repair or replacement.

To avoid the dropping during drive, ensure Digital Receiver w/ Cooling Vent Holder is firmly adhered in car.

Check connections of DC Power Cable at both ends should no display on LCD panel.

After the vehicle starts to move, the tire pressure and temperature couldn't be received on the LCD display of the Digital Receiver, please confirm if the Antenna is loosed; then, please screw Antenna tightly to Digital Receiver.

Be sure to keep record of the Transmitter ID number for each of the corresponding four tires on the last page of the "16. Tire Rotation Table" (in this user manual). Because next time if the original Transmitter is replaced by a new one, inputting the original Transmitter ID number to the new one should be a must.

13. Technical Specifications

●Transmitter (CAP)

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 180	± 5	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +85	± 3	℃
	-40 ~ +185	± 5	°F
Storage Temperature	-40 ~ +85	-	℃
	-40 ~ +185	-	°F
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	φ 27*38	mm

Weight	22	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3.6	Vdc
Battery Life	-	4years	-

●Transmitter (CLAMP)

(1) Operation Condition

Description	Value	Accuracy	Units
Pressure Range	0 ~ 180	± 5	PSI
Rated Pressure	240	-	PSI
Operating Temperature	-40 ~ +125	± 3	℃
	-40 ~ +257	± 5	℉
Storage Temperature	-40 ~ +125	-	℃
	-40 ~ +257	-	℉
Operating Humidity	0 ~ 100	-	%

(2) Radio Frequency Transmitter

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Units
Dimensions	87.6*32*22.3	mm
Weight	36	Gram

(4) Power

Description	Type	Value	Units
Power Source	Lithium Battery	3	Vdc
Battery Life	-	7years or Over 2,000,000 km	-

●Digital Receiver

Operation Condition

Description	Value	Units
Operating Temperature	-20 ~ +70	℃
	-4 ~ +158	℉
Storage Temperature	-40 ~ +85	℃
	-40 ~ +185	℉
Operation Voltage	12V / 24V	Vdc

(2) Radio Frequency Receiver

Description	Value	Units
Central Frequency	433.92	MHz

(3) Special Specification

Description	Value	Unit
Dimensions	124*75*38.1	mm
Weight	183	Gram

(4) Power Consumption

Description	Average	Maximum	Unit
Power Consumption	60	100	mA

14. Manufacturer

Manufacturer: Moniletron Electronic ,Inc.	Telephone: +886-4-25683366
Address: No.39, Sec 3, Chung-Ching Rd., Ta-Ya, Taichung Hsien, Taiwan 428	Fax: +886-4-25673069
Web Site: http://www.more.com.tw	

FCC statement in User's Manual (for class B)

"Federal Communications Commission (FCC) Statement

This Equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:

1.The 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.

2.This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

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