

VISION

2-WAY RF PAGING SYSTEM

models

TR537S

TR835S

For 1480 & 1460 Series Security Systems



Thank you for purchasing this VISION 2-way Paging System. This system is a state of the art device that will provide you with years of trouble free service if used properly. Please familiarize yourself with the content of this User's Guide to get the most out of your new system. We trust you will enjoy using the product.

 IMPORTANT NOTICE! PLEASE READ!

If you have not yet purchased this product and are evaluating the features, please consider that 1480 features vary from car to car. This is because digital CAN signals differ by car and it is therefore impossible to guarantee all features will function on all compatible cars.

Door Locking and Light Flash are two of the most fundamental features of the VISION 1480 that may not be available on all cars. As you read the Arming/Disarming sections on pages 7-10, the words "if supported" mean that door locking and light flash are not guaranteed features because they vary by car. Whether or not the doors will Lock & Unlock and/or Hazards will flash when you press a Pager button will depend on whether your car is compatible with those features.

*To see 1480 feature compatibility for your car, please visit our website:
<http://visionsecurity.jp/en/systems/1480.html>*

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NOTICE! Although reasonable efforts have been taken to ensure accuracy in this User's Guide, KIRAMEK Inc. shall not be held liable for any errors, omissions, property damage, or injury resulting from the use of this information.

All product specifications and features are subject to change without notice.

LIMITED ONE YEAR WARRANTY

The VISION 2-way RF Paging System is backed by a limited one year warranty against defective components and/or improper product assembly to the original purchaser for as long the vehicle is owned by that same purchaser, contingent upon installation by an Authorized VISION Dealer. This warranty becomes void if the Paging System was not sold and installed by an Authorized VISION Dealer or the system is moved to another vehicle.

During the warranty period, Kiramek Inc. will repair or replace, at its sole discretion, any system component that is found defective in material or assembly during the warranty period, provided that the product is returned to Kiramek Inc. by an Authorized VISION Dealer and is accompanied by a clear and legible copy of the original purchaser's receipt. Any damage to your VISION Paging System that results from normal wear-and-tear, accidents, drops, strong impact, water damage, leaked battery damage, improper use, neglect, faulty wiring, incorrect installation, modification, removal or defacement of the product serial number, alteration or repair outside Kiramek Inc or its Authorized VISION Dealers immediately voids this warranty.

This warranty is limited to defective parts only and does not provide any compensation whatsoever for damages associated with the VISION Paging System. This warranty does not cover installation labor, product removal and/or reinstallation fees. This warranty does not cover the elimination of externally generated RF noise, or weak reception. This warranty also does not cover any damage to the pager that may occur if the required AAA battery leaks inside the pager and causes corrosion to the contacts or causes other related malfunction or damage.

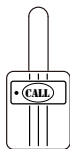
This warranty is valid for the original purchaser only and may not be transferred to another party. Kiramek Inc makes no warranty against theft or vandalism of the vehicle in which the VISION Paging System was installed. This warranty shall not be interpreted as an insurance policy against loss, nor shall Kiramek Inc be liable any in way for such loss, financial or otherwise.

KIRAMEK may opt to validate the above Warranty, in writing, for shipments outside Japan, in cases where there is no local VISION Dealer available to perform the install.

INCLUDED ITEMS



**TR53A-7X or TR83A-7X
Pager Remote (1pc)**



**TR68A-3LX or TR68A-2LX
Antenna Unit (1pc)**



Antenna Harness (1pc)



**TX-CASE
Pager Case (1pc)**

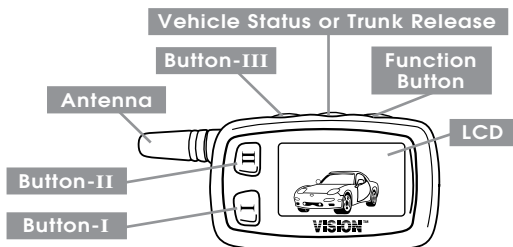
OTHER INCLUDED ITEMS:

- Double-Sided Mounting Tape for Antenna Unit (1pc)
- This User's Guide

NOTE: AAA Battery for Pager Remote is NOT included.

2-WAY PAGER REMOTE

OVERVIEW



p/n TR53A-7X (ARIB T-67, Japan, 429.4MHz)
TR83A-7X (FCC, USA, 433.92MHz)

GENERAL PAGER FUNCTIONS

- (S) stands for a **Short** press, while (L) means a **Long** press.
- ① indicates the icon blinks ON/OFF.
- After pressing any pager button, if the ① icon disappears, you are either out of range or RF noise is interfering with the pager signal.

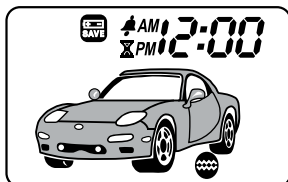
SELECTABLE FUNCTIONS	BUTTON OPERATION	ICON ALERT	PAGER BEEPS	SIREN CHIRPS	LIGHT FLASHES
Normal Arm	I (S)	① 🔒	1	1	1
Normal Disarm	I (S)	① 🔓	2	3	3
Silent Mode Arm	II (S)	① 🔒	MELODY	none	1
Silent Mode Disarm	II (S)	① 🔓	2	none	3
No Confirmation Arm	III (S)	① 🔒	1	none	1
No Confirmation Disarm	III (S)	① 🔓	2	none	3
Sensor Bypass Arm	I + II (S)	① 🔒	1	2	1
Sensor Bypass Disarm	I or II or III (S)	① 🔓	2	3 or none	3
Door Lock / Unlock	II + III (S)	none	none	none	1 / 3
Panic Siren	I or II or III (L)	① 🔒	SIREN SOUND	Siren Blast	Continuous
Vehicle Status	Ⓢ (S)	various	MELODY	none	none
Trunk Release	Ⓢ (L)	① 🔓	3	none	3

Also see page 4, "SPECIAL PAGER FUNCTIONS."

SPECIAL PAGER FUNCTIONS

- (S) means a **Short** press, (L) means a **Long** press.
- ① RF receiver sleeps, power cut to 1/3 of normal.
- ② **hour** digit(s) selected for adjustment.
- ③ **minute** digits selected for adjustment.
- ④ adjusts upward; adjusts downward.
- ⑤ routine exists after **8 seconds** of inactivity.

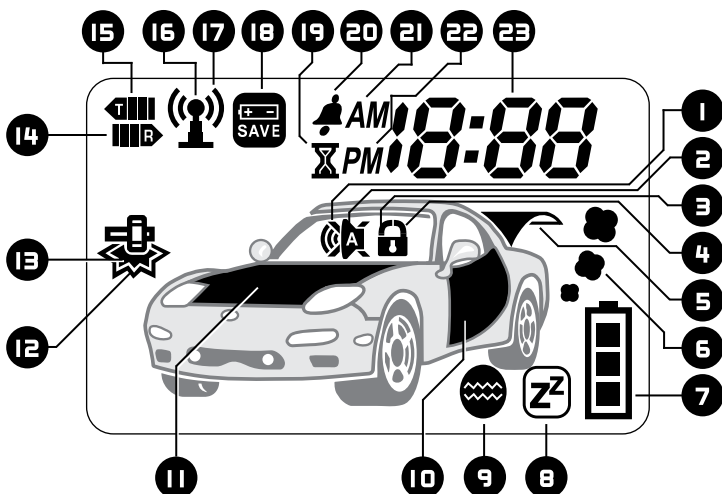
TIP: When pressing along with other buttons, Press & Hold *before* pressing other buttons.



SELECTABLE FUNCTIONS	BUTTON OPERATION	ICON ALERT	PAGER BEEPS	FUNCTIONAL DETAILS
E.L. Backlight ON	(S)	none	none	Turns off in 5 sec.
Power Save Mode ①	+ (S)		2	Activates in 2 min. *
Audio/Vibe Alert	+ (S)		none	
Time Adjustment Mode ②③	(1st) (L)	AM 12:00 ^②	2	Keep adjusting hour to change AM/PM.
	(2nd) (S)	AM 12:00 ^②	none	
Alarm Clock	(3rd) (S)	AM 12:00 ^②	none	When alarm goes off, a special melody plays on the pager for 25 sec.
	(4th) (S)	AM 12:00 ^②	none	
ON or OFF	(5th) (S)	OFF	none	
Countdown Timer	(6th) (S)	X 0:00 ^②	none	
	(7th) (S)	X 0:00 ^②	none	When count reaches zero, the pager will beep continuously for 10 sec.
	(8th) (S)	X 0:00 ^②	none	
		X OFF	none	
Alarm Toggle	+ (S)	(when ON)	2	
Fixed Timer ④	(1st) + (S)	X 0:10	2	All times in hours:min. Use the Time Adjustment Mode "Count-down Timer" feature to set a custom timer that is not shown here.
	(2nd) + (S)	X 0:20	2	
	(3rd) + (S)	X 0:30	2	
	(4th) + (S)	X 1:00	2	
	(5th) + (S)	X 1:30	2	
	(6th) + (S)	X 2:00	2	
	(7th) + (S)	X 0:00	2	
OFF				

* **Pager Power Save Mode only works while the system is DISARMED.** If you try to activate Power Save Mode while Armed, the icon will appear but Power Save Mode is in fact not active (the icon never disappears). The reason for not working while Armed is that your pager would not automatically receive notification of vehicle threats in Power Save Mode because Power Save Mode improves battery life only by shutting down the pager's RF receiver. When the RF receiver is off, your pager won't update. If you push any button, Power Save Mode will deactivate (even though the icon will continue displaying on the pager) and then reactivate 2 minutes later.

PAGER ICON DESCRIPTIONS



- | | |
|--|---|
| 1. Silent Mode ARMED (<i>siren off</i>) | 15. RF Transmitter Enabled (<i>icon</i>) or Disabled (<i>no icon</i>) |
| 2. Siren Active Mode ARMED | 16. In-range Indicator (<i>icon vanishes if pager is outside communication range or in Power Save Mode</i>) |
| 3. Vehicle Doors Locked | 17. Transmitting (<i>whenever a pager button is pressed</i>) |
| 4. Vehicle Doors Unlocked | 18. Pager Power Save Mode Active |
| 5. Trunk Opened (<i>1460 WHT/BLK</i>) | 19. Countdown Timer Mode |
| 6. Engine Running | 20. Alarm Clock Enabled |
| 7. Low Battery Indicator | 21. Morning Time Indicator |
| 8. Valet Mode Active (<i>see p.22</i>) | 22. Afternoon Time Indicator |
| 9. Pager Vibration Alert Mode | 23. Hour & Minute Display |
| 10. Door Opened | |
| 11. Hood Opened (<i>1480 GRY</i>) | |
| 12. Sensor: Heavy Impact or Bypass | |
| 13. Sensor: Light Impact | |
| 14. RF Receiver Enabled (<i>icon</i>) or Disabled (<i>no icon</i>) | |



NOTES

1) After you Arm or Disarm, there are times when you may receive 2 answer-back notifications. This is normal.

2) If a sensor sends a Warning response to the 1480/1460 multiple times very quickly (e.g., more than 2 times in 8 seconds), the pager will not produce more than 2 answer-back notifications.

PAGER USAGE & CARE

PRECAUTIONS



Your 2-way pager is a delicate device that can be easily damaged by excessive vibration, heat, direct sunlight, humidity, dirt, oil and water. Small particles in a very dirty pocket can also damage the pager over time. Never immerse your pager in water. If it gets wet, remove the battery and allow to dry. Never drop your pager. Impact can break the LCD and/or cause the answer-back functionality to stop working. *Rough handling is not covered under warranty!*

COMMUNICATION RANGE

Your pager's range is affected by RF noise. Typical in-city range is often greater than 300m (>985ft), while range in the country can be as high as 600m (2,000ft.). Note that if metal objects (e.g., coins in your pocket) touch or surround the antenna, range may decrease. Also, close proximity to TV stations and or powerful mobile phones can also limit range.

RESPONSIVENESS

It can take several seconds before your pager is updated with the current status of the vehicle (e.g., door open, siren blast, etc.). During this time, the pager may become less responsive to your button presses. Also, the pager will not receive updates while you are pressing any button.

LOW BATTERY INDICATOR

A pager battery will last just over 1 month with normal use. When the  icon appears on the LCD, replace the battery. The battery icon may flash and the pager may beep 6 times when the battery is just about to die. Replace the battery soon with a fresh (+)1.5v AAA Alkaline. (*Rechargeables may not work if the voltage is much less than 1.5v.*) Also note that leaving a battery in the pager too long without using it could cause the battery to leak, resulting in corrosion of the battery contacts and pager malfunction.

Follow this procedure every time you replace the battery:

- (1) Remove the cover and take out the old battery.
- (2) Press the  button for 2 seconds to clean out the pager memory.
- (3) Insert the new battery and replace the cover.
- (4) Press the  button again to initiate communication.

SYSTEM OPERATION

ARMING



⚠ Be sure to read the “Arming Mode Note” at the bottom of page 9.

NORMAL ARMING



This method is the typical way to Arm, with the shock sensor enabled. Ensure that all doors are closed and then press Button-I on the Pager remote. After you press Button-I, the doors will lock and hazard lights will flash once (if supported). The siren will chirp 1 time, the Pager remote will beep once and update (see **Fig-1** below), and Status LED will light for 5 seconds. (The siren can't be triggered while the LED is lit — See “Error Chirp” on the next page.)

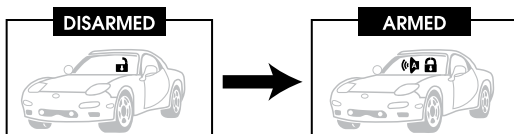
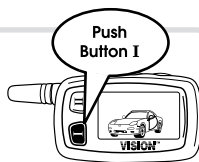


FIG-1: Pager LCD Icon Change After Arming

SILENT MODE ARMING



This method of Arming will completely disable the siren (no confirmation chirps, no warning chirps, no siren blast). Press Pager Button-II then release. The doors will lock and hazard lights will flash once (if supported). The Pager will play a melody and update (see **Fig-2** below), and Status LED will light for 5 seconds. (The siren can't be triggered while the LED is lit — See “Error Chirp.”)

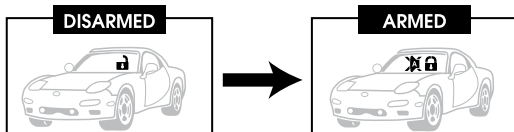
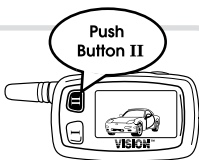
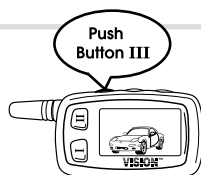


FIG-2: Pager LCD Icon Change After “Silent Mode” Arming

NO CONFIRMATION CHIRP ARMING



This method is identical to “Normal Arming” except there is no siren chirping after you Arm or Disarm. Ensure that all doors are closed and then press Button-III on the Pager remote. After you press Button-III, the doors will lock and hazard lights will flash once (if supported). The Pager Remote will beep once and update (see **Fig-1**), and Status LED will light solid for 5 seconds. (The siren can't be triggered while the LED is lit — See “Error Chirp” below.)

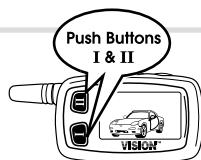


SENSOR BYPASS ARMING



This method allows you to disable the shock sensor and any other external sensor while keeping all other triggers active (door, trunk, hood, IG). Press

Pager Buttons I & II at the same time, then release. The doors will lock and hazard lights will flash once (if supported). The siren may chirp 2 times, the Pager will beep once and update as shown in **Fig-1** but also with the  icon, and the Status LED will light for 5 sec. **NOTE:** If you later short-press the Pager's  button to update the LCD with the car's current status, the  icon will disappear but the 1480/1460 is still in Sensor Bypass mode.



Error Chirp



When you Arm, the siren chirps 1 time (if using Normal Arming with Confirmation Chirps enabled) and the Status LED lights for 5s. If any door, or the trunk or hood is opened during the 5s and stays open, the siren will chirp 2 more times (“Error Chirp”), your pager will also beep and update icons, and that particular trigger will be bypassed. If the bypassed door or hood or trunk is later closed, it will be re-enabled 5s later. (You will hear the 2 Error Chirps even when Arming with Button-II or III.)



NOTE

Your 2-way pager will update its icons during an Error Chirp condition to show the bypassed sector. However, the pager will not update if that sector is later re-enabled. Press the  button to update the pager status.

AUTO-ARM

PROGRAMMABLE



This method of Arming is disabled by default — *see page 11 in the 1480 or 1460 Owner's Guide to program it.* This feature automatically Arms your system when you do the following: (1) Turn Ignition ON, (2) Turn Ignition OFF, (3) Open a Door and then (4) Close the Door. Twenty seconds later, you will hear 1 chirp and 1 pager beep and you may see 1 light flash. Five seconds later, the Status LED will start flashing, and all zones will be secured (i.e., the system will be Armed). **Fig-1** on page 7 shows the pager LCD display for Auto-Rearm.

NOTE: Doors will *not* be locked.

**20s TIMER NOTE**

If you open a door before hearing the Arm chirp, the system will wait until you close the door. Then after the door closes, the siren will chirp, the 20s delay-to-Arm timer will reset and start again. Also, during the 20s, the siren cannot be triggered because the system is not yet Armed.

AUTO-REARM

PROGRAMMABLE



This method of Arming is disabled by default — *see page 11 in the 1480 or 1460 Owner's Guide to program it.* This feature automatically Arms your system 60 seconds after it is Disarmed. **Fig-1** on page 7 shows the pager LCD display for Auto-Rearm.

NOTE: Doors *will* be locked (if supported), unlike Auto Arm.

**60s TIMER NOTE**

If a door is opened during the 60s, the system will not Rearm. Also, during the 60s, the siren cannot be triggered because the system is not yet Armed.

**ARMING MODE NOTE**

The Pager button you last used to Arm or Disarm determines the Arming mode when you subsequently Lock by Factory Keyless or by AutoArm/AutoRearm. For example, if you last Disarmed with Button-II (Silent Mode), then each time you Arm with Factory Keyless or AutoArm/AutoRearm, the system will be in Silent mode; and the system will remain in Silent Mode even when you Arm, Disarm and Arm by Factory Keyless multiple times. (Note that you can enable Confirmation Chirps via Program Switch while in Silent Mode.)

DISARMING

NOTE: To Disarm without a remote, see pg.5 in the 1480/1460 Owner's Guide.

NORMAL DISARMING

This is the typical way to Disarm, with confirmation chirps ON. Press Button-I on the Pager while Armed. Doors will then unlock and hazards will flash 3 times (if supported). The siren will chirp 3 times. The Pager remote will beep 2 times (*or vibrate twice*), and icons will update (see Fig-3 below). You may now enter the vehicle.

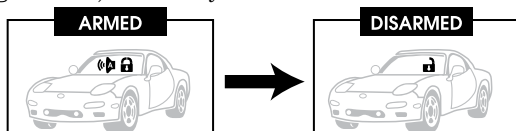
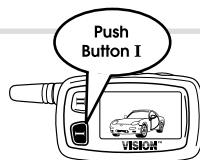
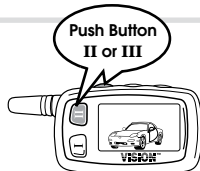


FIG-3: Pager LCD Icon Change After Disarming

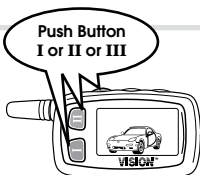
NOTE: If you Arm with the factory remote's Lock button and then you Disarm with the pager, the doors will not Unlock on most cars. In this case, simply Unlock by the factory remote, or Arm & Disarm with the pager.

NO-CHIRP DISARMING

This method is identical to "Normal Disarming" except there are no siren chirps emitted when you Disarm. Press Pager Button-II or Button-III then release. The doors will then unlock and hazard lights will flash 3 times (if supported). The Pager Remote will beep 2 times (*or vibrate twice, if Vibe Mode is selected*), and icons will update as shown in Fig-4 above. The system is now Disarmed, and you may enter the vehicle without triggering the siren.

**HIGH SECURITY DISARMING**

When the system is "triggering" (*warning chirps, siren blast, hazard flash*), two button presses are required to Disarm. This feature allows you to stop the trigger condition with only 1 press while keeping the system Armed. You can press Button I or II or III. (*Continues on the next page.*)



continues...

HIGH SECURITY DISARM continued...

Your first press of Button I, II or III stops the trigger (i.e., kills the siren, or kills hazard light flash if in Silent Mode). Your second press Disarms the system. In other words, “two presses” are required to Disarm whenever something triggers the full siren blast.



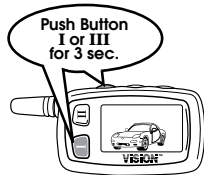
NOTE

For the first few seconds after the pager siren tone (or vibration) begins, you may not be able to disarm with 2 presses. If you wait 3 seconds or so, 2 presses will always work (you can stop the siren with one press, and disarm with the second). But during the first few seconds, it may take multiple presses before you can stop the siren and disarm.

Panic Mode



Panic Mode allows you to trigger the full 30 second siren blast from your remote, whether the system is Armed or Disarmed. Press Button-I or Button-III for 3 seconds. When you release, the pager icons will update as shown in **Fig-4** below, and the pager will emit a siren tone (or vibrate). Vehicle hazard lights will flash (if supported), the Status LED will flash rapidly, and the siren will go off for 30s. (You can also trigger Panic Mode with Button-II to flash the Hazard lights, if supported, but the siren will not trigger.)



To stop Panic Mode and silence the siren, simply press Button I, II or III for a short duration (1 sec. or less) and release. *Note that you must wait approximately 4 seconds after you initiate Panic Mode before you press Button I, II or III, otherwise your button press will be ignored and the siren will keep sounding.*

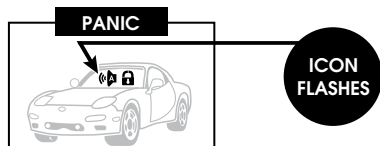
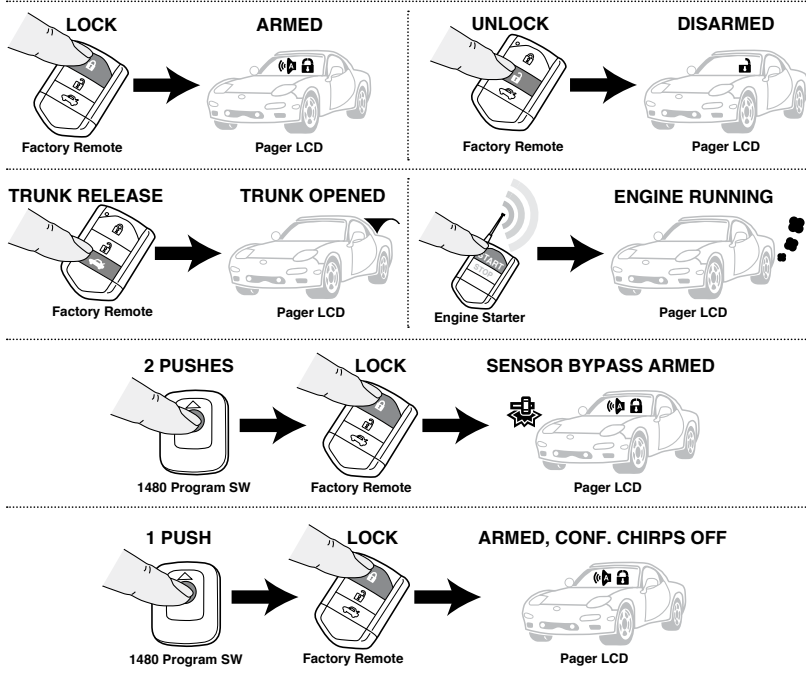


FIG-4: Pager LCD Icon Display During Panic Mode

PAGER RESPONSE TO FACTORY REMOTE & 1480/1460 PROGRAM SWITCH

Operation of the 1480 using your factory remote is described on pages 3-6 in the 1480/1460 Owner's Guide, while 3rd party remote starters are described on page 7. Below you can see how the pager responds when the factory remote and Program Switch are used, as well as when the engine is remote-started (see RSCM on page 7 of the 1480/1460 Owner's Guide).



NOTE

In the first picture above showing "LOCK → ARMED," note that the last pager button pressed determines the icons you see. For example, if you last pressed Button-II on the pager, when you then push Lock on the factory remote, instead of seeing the  icon, you will see . (See the "Arming Mode Note" at the bottom of page 9.)

DIRECT DOOR LOCK



Not available on the 1460.
Not available on some cars.

Pressing Button-II & Button-III at the same time for a short duration will lock or unlock the doors (if supported) *without* Arming or Disarming the security system. The pager will beep once and icons will update as shown in **Fig-5** below.

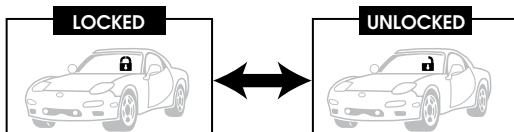
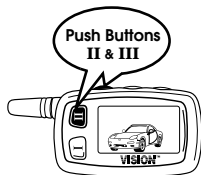


FIG-5: Pager LCD Icon Change for Direct Door Lock

This feature can be useful if you want to lock the doors while someone is inside the vehicle. In such a case, you can temporarily leave the vehicle and lock the doors but keep the 1480 from accidentally triggering the siren due to someone inside the car.



CAUTION!

Never use this feature to leave unattended children in a car!



NOTE

Direct Door Lock only works when the 1480 is Disarmed. If you press Buttons II & III while the system is Armed, the security system will merely Disarm. Also, if you lock the doors with this feature and later try to Arm, the doors will unlock and the system will be Disarmed—a second press will be required to Arm.

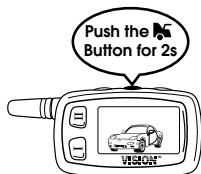
TRUNK RELEASE



Not available on some cars.

On most cars that have a dedicated Trunk Release button on the factory remote, the 1480/1460 and Paging System provide another way to remotely open the trunk (on compatible cars). Simply press-and-hold the  button for about 2s and then release. You should hear 3 beeps from the pager and see the trunk open icon appear on the LCD (as shown on page 12).

NOTE: *If you press for the  button for only 1s or less, you will hear a different melody sound signifying a different pager feature: Vehicle Status.*



ALARM TRIGGERS

2-STAGE SENSOR TRIGGER



1st Stage (“Warning Chirps”). When the shock sensor detects a light impact, the siren will chirp 5 times, the pager will beep and update icons as shown in **Fig-6** below. Any optional sensors can you have installed can also trigger the 5 warning chirps. *No chirps will be produced in Sensor Bypass Mode or Silent Mode.*



2nd Stage (“Full Trigger”). When the shock sensor detects strong impact to the vehicle body, the siren will blast for 30 sec. (or until stopped by a button press), and the pager will emit a siren tone and update icons as shown in **Fig-6** below. Any optional sensors you have installed can also trigger the full siren blast sequence. *The siren will not be triggered while in Sensor Bypass Mode or Silent Mode.*



FIG-6: Pager LCD Icon Change Upon Shock Detection

DOOR TRIGGER



The siren will blast for 30s (unless in Silent Mode) whenever a door is opened while the system is Armed. Vehicle hazard lights will flash (if supported), and your pager will emit a siren tone and update icons as shown in **Fig-7** below.

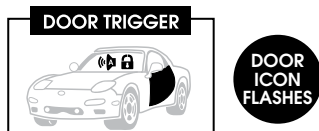


FIG-7: Pager LCD Icon Change Upon Door Trigger

IGNITION TRIGGER



There are two different modes that pertain to Ignition triggers, as described on page 7 of the 1480/1460 Owner's Guide. In either case, the pager icon is the same when you switch on the Ignition *while Armed*, as shown in **Fig-8** below. But in IG Protect Mode, if the Ignition is switched on while Armed, the pager will also emit a siren sound.

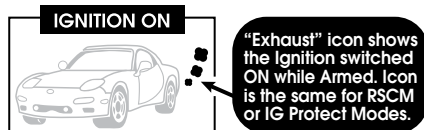


FIG-8: Pager LCD Icon Change Upon Ignition ON

Note that if you Disarm, or if you are using Direct Door Lock, your pager will not auto-update when you switch on the Ignition. However, if you short-press the  button while the Ignition is switched on, the pager will then display the Exhaust icon.

HOOD TRIGGER



Pager Hood icon doesn't display with the 1460.

On compatible vehicles (or on any vehicle when the 1480's gray Hood input wire is connected), the siren will blast for 30 seconds when the hood is opened while Armed. The pager will also emit a siren sound. But whether the pager will display a flashing Door icon and/or flashing Hood icon will depend on the car and whether the optional gray Hood input wire is connected. (See page 15 in the 1480 Owner's Guide for details.)

Assuming your car does not support Hood triggers via CAN, and assuming the optional Gray input wire of the 1480 is connected, whenever the Hood is opened while Armed, the pager will update as shown in **Fig-9** below.

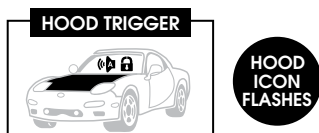


FIG-9: Pager LCD Icon Change Upon Hood Trigger

TRUNK TRIGGER



Requires 1460 WHT/BLK wire connection.

The siren will blast for 30s if the trunk is opened (without the remote) while Armed, and the LCD pager will emit a siren sound and update its icons as shown in **Fig-10** below.

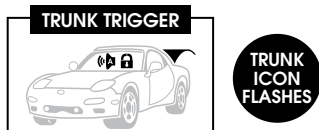


FIG-10: Pager LCD Icon Change Upon Trunk Trigger

POWER-CUT TRIGGER



If you have the 1480S or 1460S which has a Standard Siren, there will be no siren sound if the car's main battery power is cut, nor will your LCD pager receive an update. But if you have the 1480B or 1460B with Battery Backup Siren, the siren *will* sound when the main power is cut; however, your pager still won't receive an update. But when the power is restored, regardless of whether you have the 1480S/1460S or 1480B/1460B, the siren will blast and your pager will emit a siren sound and show the same icons as in **Fig-4** on page 11.

Also see "RESUME" on page 10 in the 1480 or 1460 Owner's Guide.



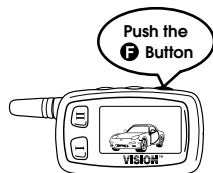
NOTE

If the car's main battery power is cut (or the battery dies and voltage drops to around 6 volts — which can happen if you leave the headlights on while the engine is off), the backup siren of the 1480B/1460B will trigger. In this case, you cannot Disarm with the factory remote or with your LCD pager, at least, not until the battery power is restored to about 10v or higher. So if you have a 1480B/1460B backup siren, the only way to shut it off in this case is with the included siren keys. See pg.12 in the 1480 Install Guide or pg.14 in the 1460 Install Guide for details.

SPECIAL PAGER FEATURES

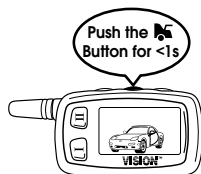
LCD BACKLIGHT

At night or in a dark room, the pager's LCD may become difficult or impossible to see. To illuminate the LCD, simply press the pager's **F** button and a green EL backlight will turn on for 5s. The backlight is very weak in order to conserve battery power, which means you probably won't be able to see it during the day or in a well-lit room. But it provides sufficient light in dark places where it would otherwise be impossible to see the LCD.



VEHICLE STATUS

As shown on page 3, pressing the  button for a short duration of 1s or less will reconfirm the status of your vehicle and then update the LCD icons accordingly. Be careful not to press the  button for much more than 1s or you may activate Trunk Release (see page 13).



IN-RANGE INDICATOR

As shown in number "16" on page 5, the in-range indicator  icon looks like a little antenna. It appears on your pager's LCD whenever you are within communication range. If the  icon disappears from the LCD, it means that you are not within range, or it could mean that you have the pager in Battery Save Mode  (see bottom of page 4). You can confirm if you are within range at any time simply by pressing the  button for a short duration (Vehicle Status).

VALET MODE INDICATOR

When you activate Valet Mode (1480/1460 Owner's Guide pg. 10), the  icon will display on your pager. Note however that if you press  for a short duration (Vehicle Status), the  icon will disappear even though you are still in Valet Mode. You cannot Activate/Deactivate Valet mode with your pager.

NOTE

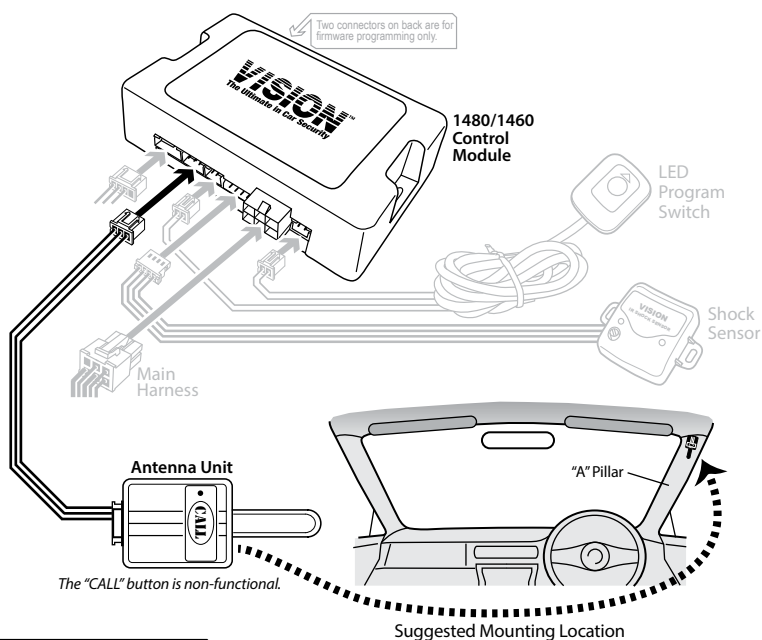
Be sure to read through pages 3-6 to see more pager features, as well as pager handling and care.

Installation & Learning

READ THIS FIRST

Installation is very easy, as it amounts to little more than attaching two connectors and taping the antenna unit to the car (but not in a location hit by direct sunlight). You will need to gain access to the 1480/1460 security system control module. And if you did not install the 1480/1460 yourself, you may not know where the control module is. Furthermore, you will need to open some of the plastic panels in your car to hide the antenna unit wires. You must also be careful never to wire-tie or otherwise bundle the wires of the Antenna Unit with the wires of the shock sensor, otherwise RF range will be reduced and button presses on your pager will become less responsive. If you don't feel comfortable doing this installation yourself, you will need to hire a professional installer to do the job.

INSTALLATION



MOUNTING STEPS

- 1) First locate the 1480/1460 Control Module, which is most likely installed on the driver's side, behind the cover just above the brake and accelerator pedals. Don't disconnect anything from the Control Module.
- 2) Connect the Antenna Unit's wire harness between the 1480/1460 Control Module and the Antenna Unit as shown above. **DO NOT** connect to the black connector back side of the control module! **NEVER** bundle or otherwise tape the Antenna unit wires to the Shock Sensor wires!
- 3) We recommend mounting the Antenna Unit in open view on the *outside* of the driver's side A-pillar as shown above. Remove the plastic pillar cover so you can hide the wires underneath. Then use the included 2-sided tape to affix it to the outside of the pillar. Alternatively, you can use velcro (not included) and affix it to the ceiling, just above the top of the A-pillar, as most car ceilings are of a fuzzy material that velcro sticks to. Keep the Antenna Unit out of constant contact with sunlight (heat negatively affects RF communication), and mount it as far as possible from metal parts.



Before you can begin using your pager, you must first learn it to the system. One pager is included with this system, but you can learn up to 4 total. The learning procedure is given below.



IMPORTANT

All previously learned remotes will be deleted from memory. If you have more than one remote, you must re-learn all of them.

1. Disarm, and turn on the Ignition. (1480: LED will flash if a door is open.)
 2. Press-and-hold the Program Switch. The Status LED will light. Release the switch only when the LED turns off and you hear 3 siren chirps (after about 6 seconds of pressing). Pager memory has now been wiped.
 3. **1480 with Firmware T33 (Apr.2016) and older:** Press buttons  &  at the same time. **1460, & 1480 with Firmware T35 (Mar.2017) and newer:** Press button . You should hear 1 chirp and the pager will beep 1 time.
 4. If you have another pager, learn it now by pressing buttons  &  (on older 1480 only) or button  (on 1460 & newer 1480). You will then hear 2 siren chirps. If you then program a 3rd pager, you will hear 3 siren chips; and for a 4th pager you will hear 4 siren chirps.
 5. Switch off the Ignition. The Status LED will light for 6 seconds and then turn off. The LED will then flash the same number of times as your Manual Disarm Code (default = 6). Learning is finished.
-  *If you delay more than 6 seconds after Steps 2 or 3 above, a timeout will occur and you will need to start over from Step 1.*
-  *If at any time you mess up, perform Step 5, then start over from Step 1.*



MULTIPLE PAGER OPERATION

When using more than one pager, only the pager that last communicated with the 1480/1460 will receive an Answer-Back response from the 1480/1460.



MIXING PAGER MODELS

You cannot learn a TR537S (ARIB T-67) pager and a TR835S (FCC) pager with the same Antenna Unit. All pagers must be the same model.

TROUBLESHOOTING

MY PAGER ORIGINALLY WORKED FINE BUT NOW IT DOESN'T.

If you sent your vehicle in for maintenance and/or the battery was disconnected, or if substantial noise was present on the 12-volt line in the vehicle, it is possible that transmitter memory could be lost. For this reason we strongly recommend that the main wire harness of the 1480/1460 be disconnected BEFORE you disconnect the vehicle's battery.

- If the 1480/1460 is Armed, please use your factory remote to Disarm, or you can your Manual Disarm Code to Disarm (Owner's Guide page 5). Then relearn your transmitters as described on page 20 in this manual.

I LOST MY PAGER AND NOW I'M WORRIED ABOUT SECURITY.

Simply relearn the pager(s) you have according to the steps given on page 20. Pager Learning always erases previously learned transmitters from memory, preventing stolen pagers from Disarming your car.

I SOMETIMES CAN'T LOCK or UNLOCK or START THE ENGINE.

You probably have your VISION Pager on the same keychain as your factory keyless remote. If so, RF interference between the two remotes is preventing the factory remote from working. When that happens, it is very possible you won't be able to start the engine (on Push Start cars) or use the Smart Key or Intelligent Key features to Lock/Unlock the car doors. The solution is simple. Just separate the pager from the factory remote by at least 10cm (i.e., don't put them on the same keychain).

I CAN'T TRIGGER THE SIREN WHILE ARMED.

- Did you Arm with Button-II (Silent Mode)? (See page 7.)

PAGER NOT RESPONSIVE WHEN THE SIREN IS BLASTING.

You may not be able to effectively control your vehicle with the pager for the first few seconds after the full siren goes off. Simply wait a few seconds after the siren triggers before pushing transmitter buttons. See *"Responsiveness"* on page 6 for more information.

PAGER ICONS ARE STRANGE. PAGER IS ACTING CRAZY.

ALWAYS press trunk  button for 2s before you insert a new AAA battery. (See page 6.) If that doesn't help, the pager battery may have leaked. Check battery contacts to ensure they are clean and not bent.

TRANSMITTER BATTERY DIED.

If you don't see any icons on the LCD, put in a fresh AAA battery. To Disarm when your pager is not working, simply press Unlock on your factory remote, or use Manual Disarming (pg.5 in the 1480/1460 Owner's Guide).

CAR MAINTENANCE. HOW TO ENABLE VALET MODE.

The pager only shows Valet Mode status. You must press the Program Switch for 5 sec. to enable/disable Valet Mode — see Owner's Guide p.10. If you have a **battery backup siren**, remember to disable it with your key. (Apr. 2016 firmware change: 1480-T33 and 1460-T8 and later firmware ensures the system powers up in Valet mode when the car battery is disconnected and reconnected. Previously, that would exit Valet Mode.)

CAN'T MAKE SIREN TRIGGER AFTER ARMING.

- Did you use Sensor Bypass Arming? That would explain why the shock sensor is not triggering the siren. (See page 8 in this manual, and page 3 in the 1480/1460 Owner's Guide.)
- Did you use Button-II Silent Mode Arming? (See page 7.)
- If used Normal Arming (Button-I), did you hear a single chirp when you Armed? If not, you may not have Armed the system at all! You *cannot Arm with the pager* when the Ignition is ON and "IG Protect Mode" is enabled. (See pages 7 & 12 in the 1480/1460 Owner's Guide.) Also note that some cars won't allow you to use Lock on the *factory remote* to Arm while the Ignition is ON, regardless of the 1480/1460's programmed setting.

WARNING CHIRPS GO OFF FOREVER, CAN'T DISARM WITH REMOTE.

If you are using an Ultrasonic Sensor along with the 1480/1460's shock sensor, it is likely that the two sensors were installed too close together. They must be separated by more than 30cm (1 ft.) or interference will cause a continual false triggering of the siren.

FULL SIREN GOES OFF WITH ONLY LIGHT IMPACT TO THE VEHICLE.

If you do not have an Ultrasonic Sensor installed, try adjusting sensitivity of your shock sensor or mounting it in another location. If that doesn't work, you will need to snap open the housing of the shock sensor and verify if the suspended reflector has been jolted out of position (*see page 17 in the 1480/1460 Installation Guide*).

I ONLY DRIVE MY CAR ONCE A MONTH, WILL MY CAR BATTERY DIE?

Assuming you run the engine long enough to fully charge your car's battery, then it will depend on what electronic devices you have installed. The current consumption of the 1480S & 1460S is very low, so starting the engine once every 3 weeks should be fine. But with the 1480B or 1460B, consider running the engine every couple weeks to charge your car's battery. Or consider purchasing a 3rd party solar 12-volt trickle charger (noting that our company does not sell or support these devices, nor do we recommend which model/brand to buy).

I TRIGGERED THE ALARM SIREN FOR A VERY LONG TIME BUT THE PAGER ONLY UPDATED ME TWICE.

This is normal. In most cases the pager will not report more than 2 notifications per session. But if there is a long enough *delay between triggers* (e.g., between multiple shock sensor triggers), then the pager should notify you each time the trigger occurs.

WHEN I PRESS THE TRUNK BUTTON THE FULL SIREN BLAST OCCURS.

A long press on the Trunk button produces a Trunk Release output, while a short press should only update the Pager with the car's current status. If the siren blasts, then you need to Disarm and check the Status LED flashes. Page 9 of the 1480 or 1460 Owner's Guide shows what each flash pattern means. Seven (7) flashes show the Shock Sensor (or another attached sensor) is the culprit. The most likely cause of a shock sensor trigger in that case is your installation. If shock sensor's wire harness touches or is in close vicinity to the Paging System's "Antenna Unit" wires, false triggers can and will occur, and they may not even be related to your pressing the Trunk button. The fix is simple. Just use wire ties to keep the shock harness as far as possible from the Antenna Unit harness. Never allow the two harnesses to touch.

THE FULL SIREN BLAST OCCURS MOST OFTEN IN STRONG SUNLIGHT.

Never put the Antenna Unit in direct sunlight. That normally causes communication problems with the pager, but other problems can occur as well. We also received one report where mounting the Shock Sensor in strong sunlight caused it to trigger. While this is rare, in such a case, we recommend relocating the sensor to see if that helps, but make sure the sensor is never located near sources of strong RF signals, and make absolutely sure the shock harness does not touch the Antenna Unit harness.

YOU SAY NOT TO MOUNT THE SHOCK SENSOR TO METAL. WHY NOT?

The car's metal frame is the most sensitive part. You normally may not see any problem, but if you park close to another car and if they slam their door rather hard, that shock wave is sent throughout the body of your car, and if the shock sensor is affixed to metal it will detect that door slam. In such cases the Warning Chirps would likely trigger, but the full siren blast could occur if you set the sensitivity high. If you affix the sensor to metal, a bus or Harley Davidson motorcycle or muffler-modified sports car driving by could cause a trigger. Low frequency shock waves are filtered-out only when you affix the shock sensor to firm plastic surfaces in your car. You can affix it to metal, but false triggers may occur.

[illegible]

VISION products are engineered in Japan and manufactured in strict accordance with Japanese QC standards at an ISO9000/ QS9000 certified factory.

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