2-WAY REMOTE CONTROL ENGINE STARTER

/AstroStart®

AF-RFS5325

2-WAY SST
5-button REMOTE STARTER
with LCD display

CONSULT SAFETY PRECAUTION SECTION
BEFORE USING THIS PRODUCT.
SOME FEATURES MAY REQUIRE
ADDITIONAL MATERIAL (NOT INCLUDED).

Contents

Getting Started

Your 5325-TX remote is powered by an internal rechargeable battery that can only be serviced by an authorized Directed dealer. Due to transit and storage time prior to your purchase, the battery charge may have depleted. To ensure proper operation, check the battery level and connect the battery charger if not fully charged. See Battery Information and Status Screen Icons sections for more information about the battery.

Charging the Remote Control:

1. Plug the USB end of the provided USB cable into the USB port on a computer. Insert the micro-USB connector into the micro-USB port located on the side of the remote control. The text field will display **CHARGE** to indicate the remote control is charging (The remote remains operational while charging and can command the system).
2. Once fully charged the text field will display **FULL**.
3. The remote control is then ready for use. Disconnect the cable from the remote control end first.

Note	If the battery is excessively depleted when the charger is connected, functionality may be delayed while it charges to the minimum voltage required to operate the display, after which normal charging resumes.

5325-TX Remote Control

Feature	Description
Display	**Status screen** - the upper portion of the display contains status icons for the System, Siren, Alarm zones, Remote Start and Remote Control (if alarm feature installed). **Text field** - the lower portion of display - shows the Clock, Runtime or Temperature during Remote Start, as well as Command confirmations, Page messages and programming menus.
Command buttons 🔒 🔓 ⊶ 🚗	Used to perform arming, disarming, utility channel and remote start commands.
P button P	Used to access function levels for commands, configuration menus for programming, Car Selection, and to request reports.
Micro-USB Port	The USB cable plugs into this port (located on remote control side).

Advanced Remote Control Commands

⚠️ Refer to the Quick Reference Guide for more information on advanced remote start commands that are specific to each vehicle.

Fault Condition Alerts

If, when performing a command, a condition exists that does not allow activation of a Remote Start feature*, the **NOT AVAILABLE** or **REMOTE START ERROR** text and a fault tone will play.

* Remote Start feature not available when the Remote Start status is incorrect upon receiving the command. Refer to the notes included in the command descriptions that address these faults or go to *Remote Start Error* under the *Remote Start Features* section for more details.

Status Screen Icons

Status Screen Icons — (left label)

Remote Control Status — (right label)

Text Field — (right label)

The table below describes all the status screen icons.

	Icon	Description
System Status	🔒	**Locked:** The system is Locked.
	🔓	**Unlocked:** The system is Unlocked.
Remote Start	⌀	Remote start is active, the engine is running.
		On during Trunk channel activation.
		On during Fault Report to indicate the Hood is open.

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	Icon	Description
Remote Control Status	▮▮▮▮	Bars indicate battery level is Full, ¾,½,¼ or Empty.
	📶	On while the remote control is transmitting a command.
	📶	On while the remote control is receiving a message.
	✘	On with Out of Range fault tone to indicate the remote failed to receive a command confirmation.
	▮	Pager ON: The remote will wake up to listen for messages.
	▯	Pager OFF: The remote will not wake up to listen for messages.
	⌇⌇	The remote will Vibrate when messages are received.
	((	The remote will emit Beeps and Tones when messages are received.
	TEXT FIELD	Displays the Clock, Runtime, message text and feature menus.

Basic Commands

Remote Start

Press and release ⬚

Activates (or if ON, deactivates) the remote starter. The engine and parking lights turn ON and the **REMOTE START ON** text and tones play, or the engine and parking lights turn OFF and the **REMOTE START OFF** text and tones play to confirm, the Remote Start status icons update. The ⬚ icon will display in the status screen and the text field will display the Runtime or Clock as programmed. If Remote Start fails to activate, **REMOTE START ERROR** text and a fault tone play.

The runtime on the remote starter is predetermined based on vehicle application. The remote starter will shut down when the preset runtime times out or when any shutdown zone becomes active.

Note	Refer to the **Quick Start User Guide** for more information.

Lock
Press and release 🔒

The doors lock and parking lights flash once. The **LOCK** text and beeps play to confirm and the System Status Icons update.
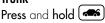
Unlock
Press and release 🔓

The doors unlock and parking lights flash twice. The **UNLOCK** text and beeps play to confirm and the system status icons update.

Trunk
Press and **hold** 🚗

The Trunk opens (if connected) when this button is pressed for 5 seconds. The **TRUNK** text and tones play to confirm.

Advanced Commands

> ⚠️ Refer to the **Quick Reference Guide** for more information on advanced commands that are specific to each vehicle.

Panic
Press and hold 🔒
The car locks and after 3 seconds, sounds the horn and flashes the parking lights. The screen displays **PANIC ON** text and siren plays tones to confirm. Press the 🔒 or 🔓 to stop Panic mode.

Utility 1
Press and release 🔒
Activates (or if ON, deactivates) the Utility 1 output. The **AUX 1 ON** or **AUX 1 OFF** text and ON tones or OFF tones play to confirm.

Utility 2
Press and release 🔓
Activates (or if ON, deactivates) the Utility 2 output. The **AUX 2 ON** or **AUX 2 OFF** text and ON tones or OFF tones play to confirm.

5325-TX Configuration

Operations of the 5325-TX and how it communicates messages are set in the configuration Main Menu. The following instructions will direct you through the available programming options.

Navigating Menus and Options

Navigating menus and features, changing options, and exiting are performed using the remote control buttons. The following instructions discuss how to access and configure the settings.

Access menu items

1. **Press** and **hold** the ⬚P⬚ button for 5 seconds, the remote will beep once, **MAIN MENU** is displayed. (If Car 2 is ON, ignore the Car Select text and beep after 1.5 seconds).
2. **Release** ⬚P⬚ the button to display the Main Menu item list, **SETUP** is displayed.
3. The Main Menu has been accessed and configuring can begin. Use the following process to view the Main Menu features, options and settings in the text field. The following actions are commonly used throughout the configuration operation.
   - **Press** the 🚗 or 🔑 buttons to change the feature or option that is displayed in the text field.
   - **Press** the ⬚P⬚ button to choose the feature in the text field and view its options. Press it when the desired feature or option is in the text field to set it as the new setting.
4. To **exit** configuration: use the 🔒 or 🔓 buttons.

Remote Features (Main Menu)

The following Main Menu list of features is available for configuration of the remote control.

Setup Remote menu

Keypad Lock

Options: **OFF** *, **ON**

When **OFF**, the buttons do not lock and always perform a command when pressed. When set to **ON**, the remote buttons lock after a 20 second lapse between buttons presses to prevent unintentional operations. If a button is pressed when locked a fault tone plays as an alert followed by unlock instructions in the text field.

To unlock the buttons, press and hold the (P) button. The unlock tones play and **READY** is displayed in the text field, a command can now be performed.

Page Mode

Options: **ON** *, **OFF**, **AUTO**

Paging is how the 5325-TX remote monitors your system's messages. **AUTO** extends battery life by turning Paging OFF after 1 minute if the remote control is not used. Just press any button to resume system monitoring. When set to **ON** it wakes up every few seconds to listen for pages from the system. When set to **OFF** it does not wake up to receive paging from the remote starter.

Light

Options: **OFF** *, **COMMAND**, **STATUS**

The backlight is OFF all the time whether the remote control is being used or receiving pages from the system. When set to **COMMAND**, the backlight will illuminate when sending commands and upon receiving any confirmation or pages from the system. When set to **STATUS**, the backlight will illuminate only when receiving pages from the system.

Clock Set
Options: `HOUR` *, `MIN`

Screen Color
Options: `GREEN` *, `YELLOW`, `BLUE`, `MAGENTA`, `CYAN`, `WHITE`, `RED`

The backlighting will illuminate with a selected color during output when set to one of the option colors.

Car Type
Options: `OFF` *, `ON`

This remote can control two systems independently. When set to `OFF`, the Car2 select option is not available. When set to `ON` the remote can be set to control two systems.

Remote Start Info
Options: `RUNTIME` *, `CLOCK`

The text field can be set to display the information you prefer during remote start. `RUNTIME`: Remote Start Runtime, or the `CLOCK` will be displayed in the text field while Remote Start is ON.

Temp Unit (Not available on this system)
Options: `F`, `C`

Temperature can be displayed in your choice of temperature scales, **F**ahrenheit or **C**elsius.

Language
Options: `ENGLISH` *, `FRANCAIS`, `ESPANOL`

Set the language that will show on the text field.

Firmware Version
Displays firmware version.

Exit
Exits and returns to the main menu

Exit
To return to normal operation, press the (P) button while EXIT is displayed.

Remote Start Features

⚠️ Refer to your authorized AstroStart dealer for more information on remote start features that are specific to each vehicle.

Disabling Remote Start
Remote start can be disabled by moving the Toggle Switch to the OFF position. If remote start is attempted while OFF, the engine will not start. Move the switch back to the ON position to resume normal operation.

Note | Consult the installation specialist for the location of Toggle switch.

Remote and System Operations

Out of Range

Each time a command is performed the remote will expect a command confirmation from the system. If a command confirmation is not received the out-of-range icon ✖ and a fault tone will play as an alert.

No Remote Output

Occasionally when a command is performed the remote may not generate a command confirmation output or Out of Range output. This indicates that the system received the command but it was an incomplete command (e.g. Trunk button pressed too short to activate the trunk release) or it was an illegal message (e.g. the command was corrupted due to local RF interference). These are temporary normal functions of the system and remote, perform the command again within 10 seconds to return to normal operation.

1-Way Companion Remote Control (where available)

Feature	Description
Command buttons 🔒 🔓 ⊶ 🚗	Used to perform arming, disarming, utility channel and remote start commands.
P button P	Used to access function levels for commands, configuration menus for programming, Car Selection, and to access other advanced commands.

Using the 2615-TX 1-Way Companion Remote

The companion 1-way remote commands the system features as shown in the previous table, but without the message display of the 5325-TX remote. Parking light flashes is used to indicate that a command has been received and activated as described in the *Basic* and *Advanced command* sections.

Accessing Commands

Similar to the 5325-TX remote, Basic commands are performed when a command button is pressed directly. To perform Advanced Commands **press** the P button 1 to 4 times to access function levels, P x2 for example implies pressing P 2 times. The LED flashes in groups for a few seconds to indicate the level. **Press** the desired command button <u>while</u> the LED is flashing to perform the command.

Button Auto Lock

When ON, the remote control buttons lock if more than 20 seconds lapses between button presses. If a button is pressed when locked, a fault tone is emitted. To unlock the buttons; **press and hold** the P button until the remote plays tones to confirm.

Remote Programming

To enter programming: **press and hold** the (P) button for 8 seconds, the remote emits one long beep and turns the LED ON, the programming main menu has been accessed.

To exit; **press** and **release** the (P) button to exit. 1 short and 1 long beep is emitted. The LED turns OFF when programming is exited.

Remote Features Menu

Press and **release** the 🔑 button, 2 LED flashes and beeps indicate the remote features menu is accessed and can be set. **Press** buttons indicated below, 1 beep and flash turns the feature ON, 2 beeps and flashes turns the feature OFF.

- Remote Beeps: **Press** 🔓 to turn ON/OFF.
- Keypad Lock: **Press** 🔒 to turn ON/OFF.
- Car 2: **Press** 🔑 to turn ON/OFF.

Battery Information (5325-TX)

The 5325-TX remote control is powered by an internal rechargeable battery that can be serviced <u>only</u> through an authorized AstroStart dealer. The information and precautions in this section can help maximize your battery's life and usage in providing your 5325-TX remote control with many years of trouble free operation.

⚠️ **Warning!** Charging the battery when the temperature is below 32°F (0°C) or above 113°F (45°C) may cause severe battery damage and/or reduce battery life. Avoid placing the remote control in areas exposed to extreme cold or heat (direct sunlight) when charging the battery.

Low Battery

After a command is performed, the 5325-TX remote control checks the battery level and, when the level requires attention, will begin generating alerts. Once the alerts begin, the remote will continue to command the system for several days but should be charged at the earliest opportunity or failure to control the system may occur.

Low Battery Alerts

After performing a command, **LOW BATTERY** and several beeps play on the 5325-TX remote to indicate the battery needs to be charged.

Important	To preserve power at critically low battery levels the 5325-TX turns the pager OFF and stops receiving messages from the system. It will continue to command the system until the battery can be charged.

Battery Life

The 5325-TX remote control has many features that make it one of the most unique remote controls on the market today, including superior long range communication with the system. The default feature settings provide for excellent battery charge duration. However, to maximize this duration between charges, the following suggestions will help:

- Turn Paging OFF: The remote will not wake up to check for messages with Paging OFF in the Setup Remote menu.
- Turn Beeps OFF: The Button beeps can be turned OFF in the Setup Remote menu. The command beeps still play normally.

Battery Disposal

Directed cares about the environment. If you need to dispose of the battery, please do so in accordance with your municipal requirements for battery disposal.

Government Regulations

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 received, including interference that may cause undesirable operation.

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 and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, 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, 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.

Remote Controls
To satisfy FCC RF exposure compliance requirements, this device should be used in hand-held, hand operated configurations only. The device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance. This device is designed to be used in a person's hands and its operating configurations do not support normal transmissions while it is carried in pockets or holsters next to a person's body.

Antenna

To satisfy FCC RF exposure compliance requirements, the device and its antenna must maintain a separation distance of 20 cm or more from the person's body, except for the hand and wrists, to satisfy RF exposure compliance.

This device complies with the Industry Canada Radio Standards Specification RSS 210. Its use is authorized only on a no-interference, no-protection basis; in other words, this device must not be used if it is determined that it causes harmful interference to services authorized by IC. In addition, the user of this device must accept any radio interference that may be received, even if this interference could affect the operation of the device.

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

Warning! Safety First

⚠ Please read the safety warnings below before proceeding. Improper use of the product may be dangerous or illegal.

Installation
Due to the complexity of this system, installation of this product must only be performed by an authorized AstroStart dealer.

Remote Start Capable
When properly installed, this system can start the vehicle via a command signal from the remote control transmitter. Therefore, never operate the system in an enclosed area or partially enclosed area without ventilation (such as a garage). When parking in an enclosed or partially enclosed area or when having the vehicle serviced, the remote start system must be disabled using the installed menu wheel. It is the user's sole responsibility to properly handle and keep out of reach from children all remote control transmitters o assure that the system does not unintentionally remote start the vehicle. THE USER MUST INSTALL A CARBON MONOXIDE DETECTOR IN OR ABOUT THE LIVING AREA ADJACENT TO THE VEHICLE. ALL DOORS LEADING FROM ADJACENT LIVING AREAS TO THE ENCLOSED OR PARTIALLY ENCLOSED VEHICLE STORAGE AREA MUST AT ALL TIMES REMAIN CLOSED. These precautions are the sole responsibility of the user.

Interference
All radio devices are subject to interference which could affect proper performance.

Upgrades and Batteries
Any upgrades to this product and/or installation of batteries must be performed by an authorized AstroStart dealer. Do not attempt to perform any unauthorized modifications to this product.

Water/Heat Resistance
This product is not designed to be water and/or heat-resistant. Please take care to keep this product dry and away from heat sources. Any damage from water or heat will void the warranty.

Limited Lifetime Warranty

LIMITED LIFETIME WARRANTY ON REMOTE CONTROL STARTER MODULE TWO (2) YEARS WARRANTY ON THE RECEIVER AND THE TRANSMITTERS TWO (2) YEARS WARRANTY ON THE ACCESSORIES

ASTROSTART® REMOTE CONTROL STARTERS (MODULE)

Directed Electronics Canada, Inc., manufacturer of AstroStart remote control starters (the Product), warrants to the original end-user purchaser that the main control module (Module) shall be free of defects in materials and/or workmanship for a limited lifetime provided the original end-user purchaser continuously owns the vehicle the Product was originally installed in and the Product remains continually installed in the vehicle during the warranty period. In accordance with the terms of this limited warranty, Directed Electronics Canada, Inc., at its expense (subject to exceptions stipulated thereinafter) shall repair or replace the Product which is proven defective.

ASTROSTART® RECEIVER & TRANSMITTERS – (COMPONENT)

Directed Electronics Canada, Inc. warrants to the original end-user purchaser that any AstroStart Receiver or Transmitter (Component) part provided contemporaneously with the main Product (Module) shall be free of defects in materials and/or workmanship for a period of two (2) years from the date of purchase, provided the original end-user purchaser owns the vehicle that the main Product (Module) the Component was provided for, remains continually installed in the vehicle. In accordance with the terms of this warranty, Directed Electronics Canada, Inc., at its expense, shall repair or replace (subject to exceptions stipulated thereinafter) the Components which are proven defective.

ASTROSTART® ACCESSORIES – (ANY OTHER ELECTRONIC MODULE)

Directed Electronics Canada, Inc. warrants to the original end-user purchaser that any AstroStart Accessory part installed contemporaneously with the main Product (Module) shall be free of defects in materials and/or workmanship for a period of two (2) years from the date of purchase provided the original end-user purchaser owns the vehicle the Accessory was originally installed in and the Accessory remains continually installed in the vehicle. In accordance with the terms of this warranty, Directed Electronics Canada, Inc., at its expense, shall repair or replace (subject to exceptions stipulated thereinafter) the Accessory which are proven defective.

WARRANTY LIMITATIONS

- The warranty period begins on the date the Module, Component or Accessory was purchased. In the event the date of purchase cannot be verified by the purchase invoice, the manufacturer's date indicated on the Product, Component or Accessory covered by this warranty shall be the date the warranty period begins.

- Installation or service of any Module, Accessory or Component covered by any of the Directed Electronics Canada, Inc. warranties, must be performed by an authorized Directed Electronics Canada, Inc. technician.

WARRANTY IS VOID IF
- The main control Module or Accessory (excluding accessories that require the insertion of a key, example; Cut II) are opened.
- The manufacturing date sticker is removed or damaged.
- The Product (i) is defective or has been damaged due to accident, neglect, fire, misuse, flood, lightning, shipping and handling, or any other condition beyond the control of Directed Electronics Canada, Inc., (ii) has been altered in any way, (iii) has been installed or repaired by anyone other than an authorized technician, or (iv) has been installed or used in an inappropriate manner.

WARRANTY DOES NOT COVER
- Any damage to the unit caused by the removal, installation or maintenance of the Product, Accessory or Component, any labour cost for the removal, reinstallation or maintenance of the Product, Accessory or Component, shipment of the defective Product, Accessory or Component to Directed Electronics Canada, Inc., return of the repaired or replaced Product, Accessory or Component.
- Wires, cables or switches.
- Batteries.
- Remote transmitter cases or the rubber button membrane from wear or damaged in use.

OWNER'S RESPONSIBILITIES FOR ALL WARRANTY RETURNS
** For all problems, the customer is asked to present themselves to an authorized Directed Electronics Canada, Inc. dealer with the following **
A clear copy of the sales receipt, of the Product, Accessory or Component showing all the following:
- Date of purchase
- Customer's full name and address
- The authorized dealer's company name and address.
- The type of product installed.
- The year, make, model and color of the vehicle.
- The vehicle license number and/or the vehicle identification number.

WARRANTY TEXT:
ASTROSTART SECURITY SYSTEMS ARE DETERRENTS AGAINST POSSIBLE THEFT. DIRECTED ELECTRONICS CANADA, INC. IS NOT OFFERING A GUARANTEE OR INSURANCE AGAINST VANDALISM, DAMAGE OR THEFT OF THE VEHICLE, ITS PARTS OR CONTENTS; AND HEREBY EXPRESSLY DISCLAIMS ANY LIABILITY WHATSOEVER, INCLUDING WITHOUT LIMITATION, LIABILITY OF THEFT, DAMAGE AND/OR VANDALISM. DIRECTED ELECTRONICS CANADA, INC. DOES NOT AUTHORIZE

ANY PERSON TO CREATE FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH THIS SECURITY SYSTEM.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED. TO THE MAXIMUM EXTENT ALLOWED BY LAW, ALL WARRANTIES,INCLUDING BUT NOT LIMITED TO EXPRESS WARRANTY, IMPLIED WARRANTY, WARRANTY OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF NONINFRINGEMENT OF INTELLECTUAL PROPERTY, ARE EXPRESSLY EXCLUDED, AND DIRECTED ELECTRONICS CANADA, INC. NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY DUTY, OBLIGATION OR LIABILITY IN CONNECTION WITH ITS PRODUCTS. DIRECTED ELECTRONICS CANADA, INC. DISCLAIMS AND HAS ABSOLUTELY NO LIABILITY FOR ANY AND ALL ACTS OF THIRD PARTIES INCLUDING ITS AUTHORIZED DEALERS OR INSTALLERS. DIRECTED ELECTRONICS CANADA, INC.'S WARRANTY OBLIGATIONS AND PURCHASER'S REMEDIES HEREUNDER ARE SOLELY AND EXCLUSIVELY AS STATED HEREIN.

THIS WARRANTY DOES NOT COVER ANY LABOUR COSTS FOR MAINTENANCE, REMOVAL OR REINSTALLATION OF THE UNIT OR ANY CONSEQUENTIAL DAMAGES OF ANY KIND IN THIS RESPECT. IN THE EVENT OF A CLAIM OR A DISPUTE INVOLVING DIRECTED ELECTRONICS CANADA, INC. OR ITS SUBSIDIARY; THE PROPER VENUE SHALL BE IN THE PROVINCE OF QUEBEC. QUEBEC PROVINCIAL LAWS AND APPLICABLE CANADIAN FEDERAL LAWS SHALL APPLY AND GOVERN THE DISPUTE. THE MAXIMUM RECOVERY UNDER ANY CLAIM AGAINST DIRECTED ELECTRONICS CANADA, INC. SHALL BE STRICTLY LIMITED TO THE AUTHORIZED DIRECTED ELECTRONICS CANADA, INC. DEALER'S PURCHASE PRICE OF THE UNIT. DIRECTED ELECTRONICS CANADA, INC. SHALL NOT BE RESPONSIBLE FOR ANY DAMAGES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, ANY CONSEQUENTIAL DAMAGES, INCIDENTAL DAMAGES, DAMAGES FOR THE LOSS OF TIME, LOSS OF EARNINGS, COMMERCIAL LOSS, LOSS OF ECONOMIC OPPORTUNITY AND THE LIKE. THE WARRANTY FROM DIRECTED ELECTRONICS CANADA, INC. SOLELY AND EXCLUSIVELY APPLIES TO THE PRODUCT ITSELF. A CLAIM SETTLEMENT DOES NOT CONSTITUTE AN ACKNOWLEDGEMENT OF LIABILITY FROM DIRECTED ELECTRONICS CANADA, INC. OR ANY OF ITS AUTHORIZED DEALERS OR INSTALLERS.

Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. Similar exclusions or limitations, including those as to non-assignment, may be applicable in some Canadian provinces. This warranty gives you specific legal rights and you may also have other rights which vary from state to state or province to province.

This warranty contains the entire agreement relating to warranty and supersedes all previous and contemporaneous representations or understandings, whether written, implied or oral.