

HID WorkForce® Configuration Tool

READ THIS FIRST

THE WORKFORCE® DEVICE IS SHIPPED PRE-CONFIGURED
TO OPERATE OUT OF THE BOX WITH YOUR SYSTEM

USE THIS MANUAL ONLY TO MAKE CHANGES AFTER SYSTEM INSTALLATION

WorkForce® Model WF2: A wearable, no-motion man-down alarm designed for workers in hazardous environments. It uses independent, high-performance RF (radio-frequency) wireless signaling to provide reliable protection and rapid response in dangerous situations.

HID WorkForce® Configuration Tool: Allows users to customize the settings of their WorkForce® by connecting the device to a PC with a USB Micro cable and running the GRACE utility (HID WorkForce® Configuration) tool.



To use the configuration tool:

1. **If configuration tool is not already installed on your Windows PC:**
 - A. Download the WorkForce® configuration tool from <http://www.graceindustries.info/downloads/>
 - B. Select "WorkForce Config tool" to download the installer.
 - C. Run the program installer to install configuration tool onto your Windows PC.
NOTE: WorkForce Configuration Tool User manual is included in the Configuration Tool software/program.
2. **Open the configuration tool.**
3. Follow the instructions on the tool to connect to your WorkForce® device.
4. Once the device is connected, you will hear 3 quick beeps and all 4 side status bar LED will glow green. The WorkForce® configuration tool should display the current device settings within 30 seconds of the 3 quick beeps.
5. **Settings will not be changed until the <Sync Device Setting> button is clicked.** A pop up window will acknowledge that device settings have been updated
6. Note the unit will drop out of HID configuration mode after 5 minutes of inactivity. To reconnect, you must turn the WorkForce® off and start over at step 3.

Connection Troubleshooting Guide:

- **WorkForce® fails to show device settings after completing Step 4 (in the instructions above), or the device connects but only briefly displays the current device settings. This can occur when the USB connection is unstable.**
 1. If WorkForce® was in Low Battery when connected or the battery was exhausted - let the WorkForce® charge for 30 minutes before re-attempting to configure.
 2. It is recommended to have at least 50% (2 bars) of battery power before attempting configuration.
 3. Verify the USB connection at WorkForce® and at the computer is fully connected and not loose.
 4. Verify the 4 side status bars are blinking, indicating the WorkForce® is charging or is fully charged.
 5. Try connecting with a different USB Micro Cable. NOTE: Some USB Micro cables are for charging only and are not designed for data transfer.
 6. Try connecting with a different USB port on the computer. The best port is a directly connected port on the body of the PC. USB hubs are a common point of communications trouble.
 7. Turn computer completely off for 5 minutes and try again.

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***Current Device Is Capable Of Storing 112 Names.** ← Quantity Available

	Group (00-FF)	User ID (1-99)	Name (32)
1	01	01	Johnny B. Goode
2			
3			
4			
5			
6			
7			
8			
9			
10			

Sync Names

Clear Name Data

Read Device

Import In-Command

Import Grace-Watch

Import CSV

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Names Tab:

Names tab allows you to enter custom names for a set number of users (up to the quantity listed at top of window). The custom name will be displayed when showing Alarms from other PASS devices. Enter the user's Group, User ID, and the custom name consisting of up to 32 characters.

Sync Names: This button will transmit PASS Name files to the connected WorkForce® WF2

Clear Name Data: This will clear all names in the display list. *Note: this does not clear the device until Sync Names is pressed.*

Read Device: Reads the configuration out of the device

Import In-Command: This pulls and displays the stored name files from an In-Command data file.

Import Grace-Watch: This pulls and displays the stored name files from Grace-Watch data file.

Import CSV: This pulls and displays the stored name files from a comma separated values (CSV) file.

Export CSV: This stores the displayed name file to a CSV file

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Device Settings

	Group (00-0F)	User ID (120-124)	Canned Message (32)
1	00	120	No Message
2	00	121	No Message
3	00	122	No Message
4	00	123	No Message
5	00	124	No Message
6	01	120	No Message
7	01	121	No Message
8	01	122	No Message

Sync Messages

Clear Msg Data

Read Device

Import In-Command

Import Grace-Watch

Table Code

Messages Tab:

Message tab allows you to link custom text to a canned message.

Messages can contain up to 32 characters.

For messages 1-39, the text of Canned Message is sent to the WorkForce® as written.

For messages 40-79, only the table code number (40-79) is sent. These messages are intended for use as a trigger command for other Grace Bases/devices. The text portion is intended to be used as a reference to what action will be triggered.

Sync Messages: This button will transmit PASS Message files to the connected WF2

Clear Msg Data: This will clear all Messages in the display list. *Note: this does not clear the device until Sync Messages is pressed.*

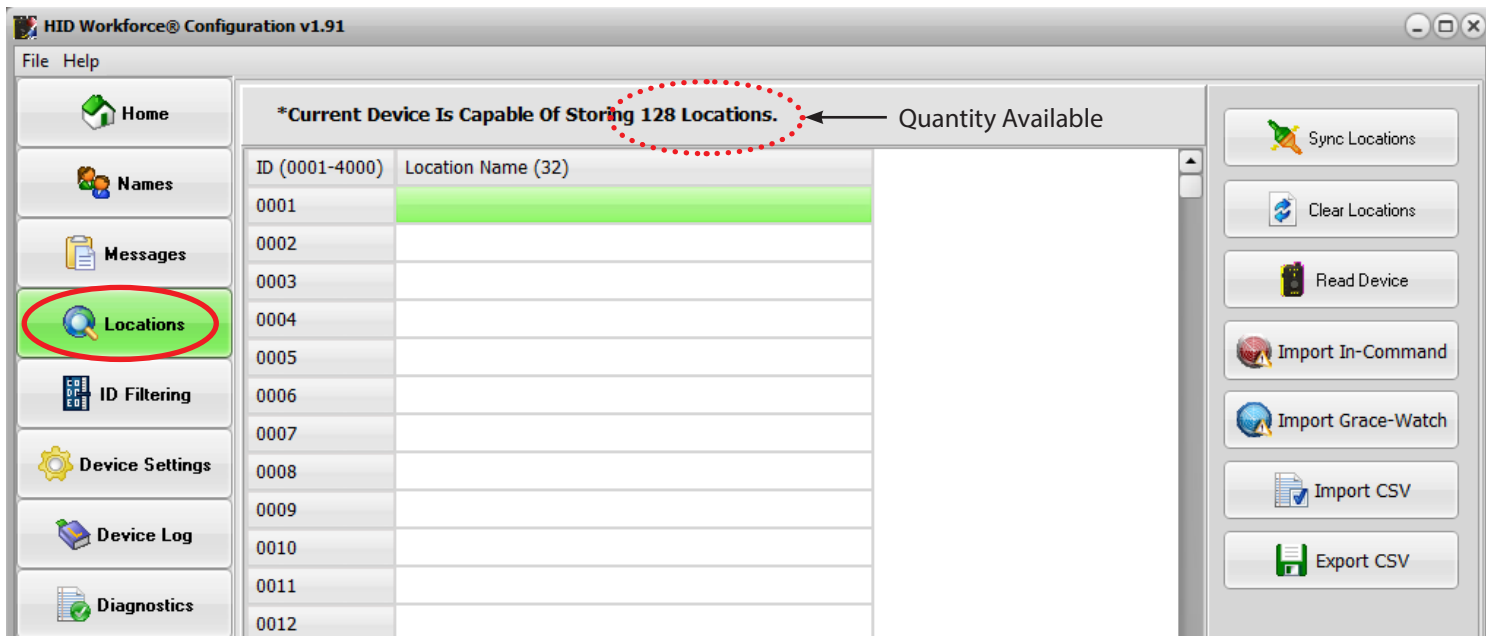
Read Device: Reads the configuration out of the device

Import In-Command: This pulls and displays the stored message files from an In-Command data file.

Import Grace-Watch: This pulls and displays the stored message files from Grace-Watch data file.

Import CSV: This pulls and displays the stored message files from a comma separated values (CSV) file.

Export CSV: This stores the displayed message file to a CSV file



Locations Tab:

Locations tab allows you to enter a custom name for a set number of locations (up to the quantity listed at top of window). The custom location name will be displayed when showing messages and alarms from other PASS devices. Location names can be up to 32 characters long.

Sync Locations: This button will transmit PASS Location files to the connected WorkForce® WF2

Clear Locations: This will clear all Locations in the display list. *Note: this does not clear the device until Sync Locations is pressed.*

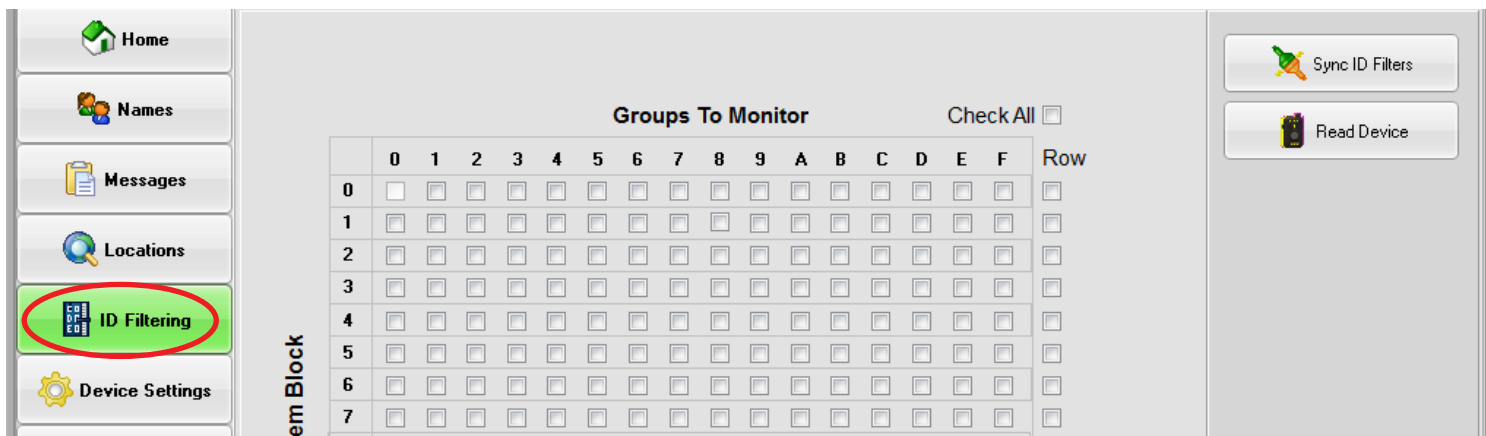
Read Device: Reads the configuration out of the device

Import In-Command: This pulls and displays the stored location files from an In-Command data file.

Import Grace-Watch: This pulls and displays the stored location files from Grace-Watch data file.

Import CSV: This pulls and displays the stored location files from a comma separated values (CSV) file.

Export CSV: This stores the displayed location file to a CSV file



ID Filtering Tab:

ID Filtering allows you to configure what PASS device groups you wish to monitor for Alarms.

NOTE: Device must be configured as AM (Alarm Monitor) which can be enabled in the Device Options tab (see page 6).

Blocks can be selected by Individual USER ID, Entire Groups, All Devices.

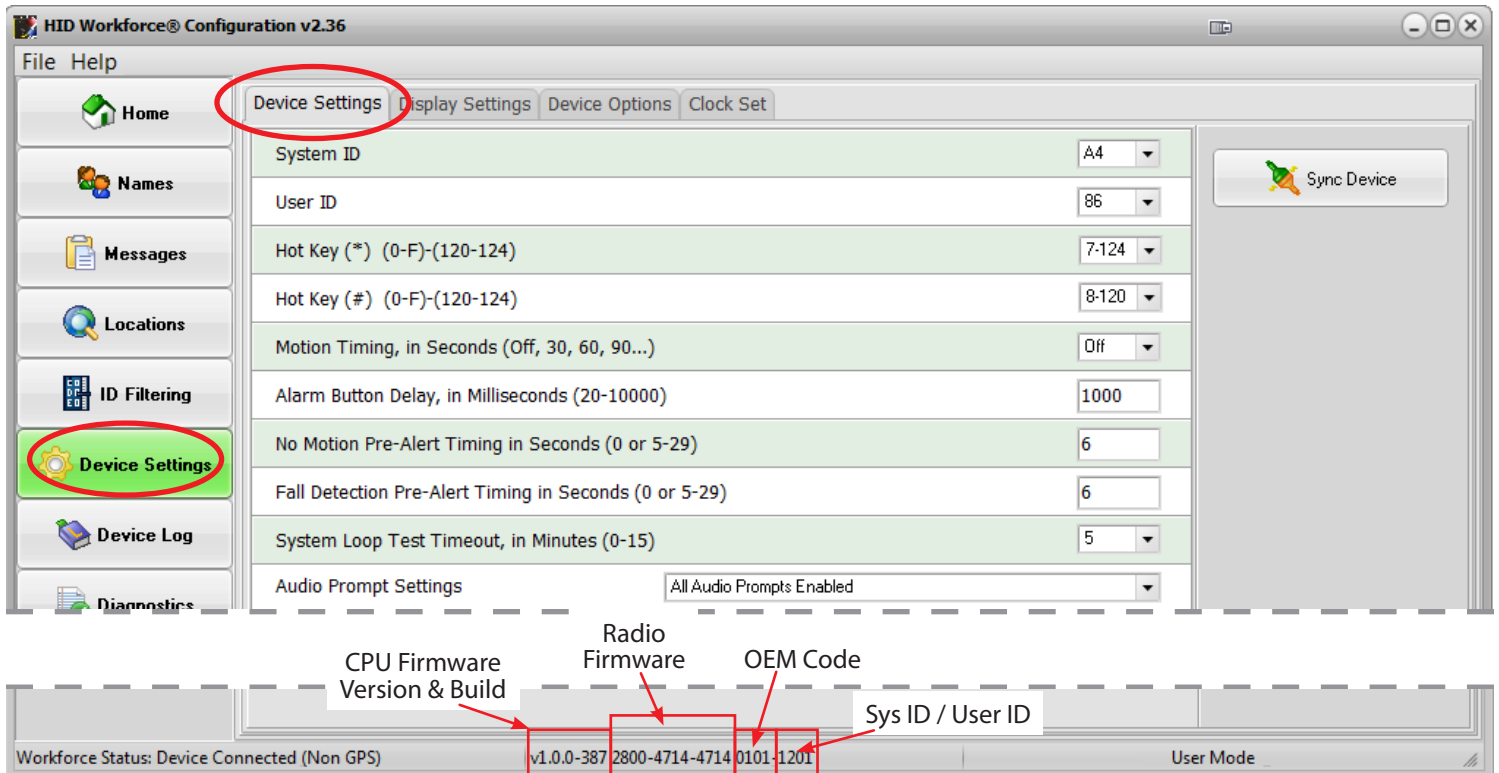
To monitor all PASS devices, click the Check All box.

To select only certain group(s), check the boxes associated with the group(s) you wish to monitor.

NOTE: You cannot filter out the group your current device belongs to - it will always be active.

Sync Messages: This button will transmit the configurations to the connected WF2

Read Device: Reads the configuration out of the device



Device Settings Tab:

Sync Device: This button will transmit Device Settings to the connected WorkForce®.

System ID: (01-FE). This selection allows you to change the Grace System ID of the WorkForce®. *Caution must be taken that the new ID is not already in use and is set to be monitored.*

User ID: (01-99). This selection allows you to change the Grace User ID of the WorkForce®. *Caution must be taken that the new ID is not already in use and is set to be monitored.*

HOT Key (#) (0-F)(120-124): Dropdown menu selects the Canned Message to send with the # Hot Key.

HOT Key (*) (0-F)(120-124): Dropdown menu selects the Canned Message to send with the * Hot Key.

NOTE: Canned Message text is set under Messages Tab (see page 2).

No-Motion Timing: This setting controls how long the user and device can remain motionless before the Man Down Alarm is activated. A Pre-Alert warning will begin to sound approximately 12 seconds before the Man-Down Alarm, indicating the WorkForce® is closer to going into Alarm. Available timing (in seconds) includes: 0, 30, 60, 90, 120, 180, 300, 600, and 900. **NOTE: Setting the timing to zero (0) will DISABLE the no-motion sensing protection.**

WARNING: Any no-motion sensing alarm time period longer than 90 seconds is potentially dangerous to the user of this product. The longer the no-motion sensing time period is, the greater the risk of exposing the user to a delayed response to an incapacitated, distressed worker.

Alarm Button Delay: This value controls the number of milliseconds the Alarm Button must be held before an Alarm is declared. This timer is useful in eliminating accidental Alarm triggers caused bumping the Alarm Button.

Note: This value is in milliseconds, 1 second = 1000 milliseconds.

No-Motion Pre-Alert Timing: Sets the number of seconds for Pre-Alert warning audio before entering No-Motion Alarm. If set to 0, there will be NO Pre-Alert Audio and WorkForce® will enter directly into Alarm. Factory default setting is 12s.

Fall Alert Pre-Alert Timing: Sets the number of seconds for Pre-Alert warning audio before entering Fall Alarm. If set to 0, there will be NO Pre-Alert Audio and WorkForce® will enter directly into Alarm. Factory default setting is 12s.

System Loop Test Timeout: Setting the value to zero (0) minutes disables the System Loop Test feature. Selecting a value of 1-15 sets the maximum number of minutes before System Loop Test failure is declared. System Loop Test sends a message from the WorkForce® through your gateway to a monitoring platform. If the platform does not respond with an Acknowledge of the loop test within the allotted time, the unit will trigger a System Test Timeout. (See page 2 of WorkForce® Model WF2 user's information for more detail on system loop tests).

No Motion Pre-Alert Timing in Seconds (0 or 5-29)	6
Fall Detection Pre-Alert Timing in Seconds (0 or 5-29)	6
System Loop Test Timeout, in Minutes (0-15)	5
Audio Prompt Settings	All Audio Prompts Enabled
Canned Free Form Messages. Number of RF Transmits (1-30) Zero Disables	5
Canned Free Form Messages. Number of Times to Repeat Sending (0-254)	3
Canned Free Form Messages. Number of Seconds Between Repeat Sending (1-254)	3

Device Settings Tab:

Audio Prompt Settings: Controls what audio prompts are enabled. Factory Default is “All Audio Prompts Enabled. All Audio is enabled”.

- All Audio Prompts Turned Off, Except Power Up/Down.
- All Audio Prompts Turned Off, Except Power Up/Down and Pre-Alert.
- All Audio Prompts Enabled, Except Alarms (Fall, Panic, No-Motion).
- All Audio Prompts Enabled, All Audio is enabled.

Canned Free Form Messages. Number of RF Transmits: Factory default is 5. **Do Not change unless directed by Factory.**

Canned Free Form Messages. Number of Times to Repeat Sending: Factory default is 3. **Do Not change unless directed by Factory.**

Canned Free Form Messages. Number of Seconds Between Repeat Sending: Factory default is 3. **Do Not change unless directed by Factory.**

Display Normal Brightness Percent	0	50	100
Display Normal OLED Drive Percent	0	50	100
Display Dim Brightness Percent	0	50	100
Display Dim OLED Drive Percent	0	50	100
Display Time Till Dim (0-3600) Seconds	45		
Display Time Till Off (0-3600) Seconds	15		

Display Settings Tab:

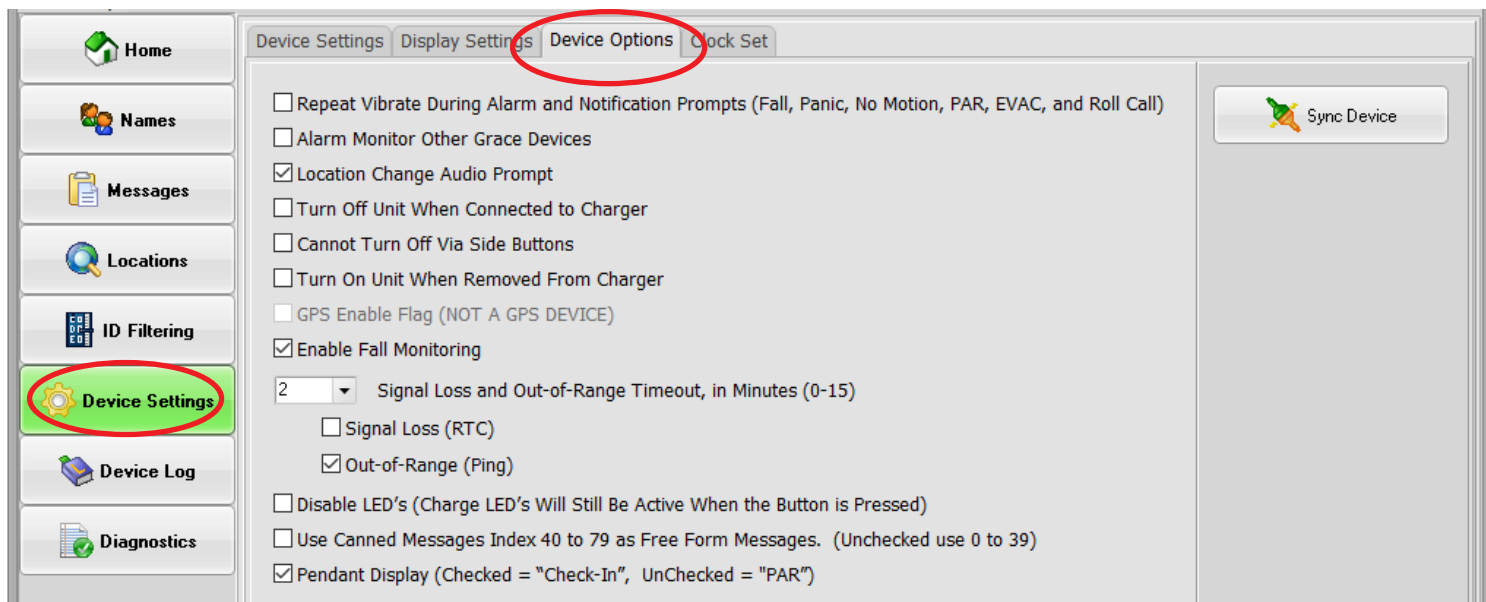
Display Normal Brightness Percent & Display Normal OLED Drive Percent: Sets brightness of OLED when On and Not Dimmed.

Display Dim Brightness Percent & Display Dim OLED Drive Percent: Sets brightness of the OLED when Dimmed.

Display Time until Dim: Number of seconds from last button press or Event before the display will automatically dim.

Display Time until Off: Number of seconds from last button press or Event before display automatically shuts Off.

NOTE: A button press or Event will return/restore the WorkForce® display to normal brightness.



Device Options Tab:

Sync Device: This button will transmit Device Options to the connected WorkForce®.

☐ **Repeat Vibrate During Alarm and Notifications:** With this box checked, WorkForce® will vibrate with every Alarm audio cycle. If unchecked, the device will vibrate only once.

☐ **Alarm Monitor Other Grace Devices:** Enables WorkForce® to alert the user if another Grace Pendant in the general area is in Alarm. For model -AM units the default setting is Alarm Monitor enabled; other WorkForce® models are disabled by default. NOTE: See page 3, ID Filtering, to configure which PASS device groups will be monitored for Alarms.

☐ **Location Change Audio Prompt:** With this box checked, WorkForce® will produce an audible chirp when it detects a new Grace Locator Beacon.

☐ **Turn Off Unit When Connected to Charger.** Factory default setting is dependent on the model.

☐ **Cannot Turn Off Via Side Buttons:** Designed to be used with 'Turns Off when charging' and 'Turns On when removed from charger'. This forces unit to be ON any time it is not charging. Factory default setting is model dependent.

☐ **Turn On Unit When Removed From Charger:** Factory default is model dependent.

NOTE: if the charger's power source is disconnected or lost (i.e. power outage), the WorkForce® will turn ON.

☐ **GPS Enable Flag:** Allows user to disable GPS to conserve battery power. Factory default is GPS Enabled. (GPS models Only).

☐ **Enable Fall Monitoring:** Allows Fall Monitoring to be disabled. Factory default is checked/Enabled.

☐ **Signal Loss and Out-of-Range Timeout:** This function is disabled when set to zero (0). When timeout is set to 1-15 minutes, the Out of Range alert will occur if WorkForce® has not received a ping message from a Base Station within the set timeout period. NOTE: To use this function, WorkForce® must be used with and in communication with a Grace Base (GMG, MS2000, PWA Alarm Box, etc.)

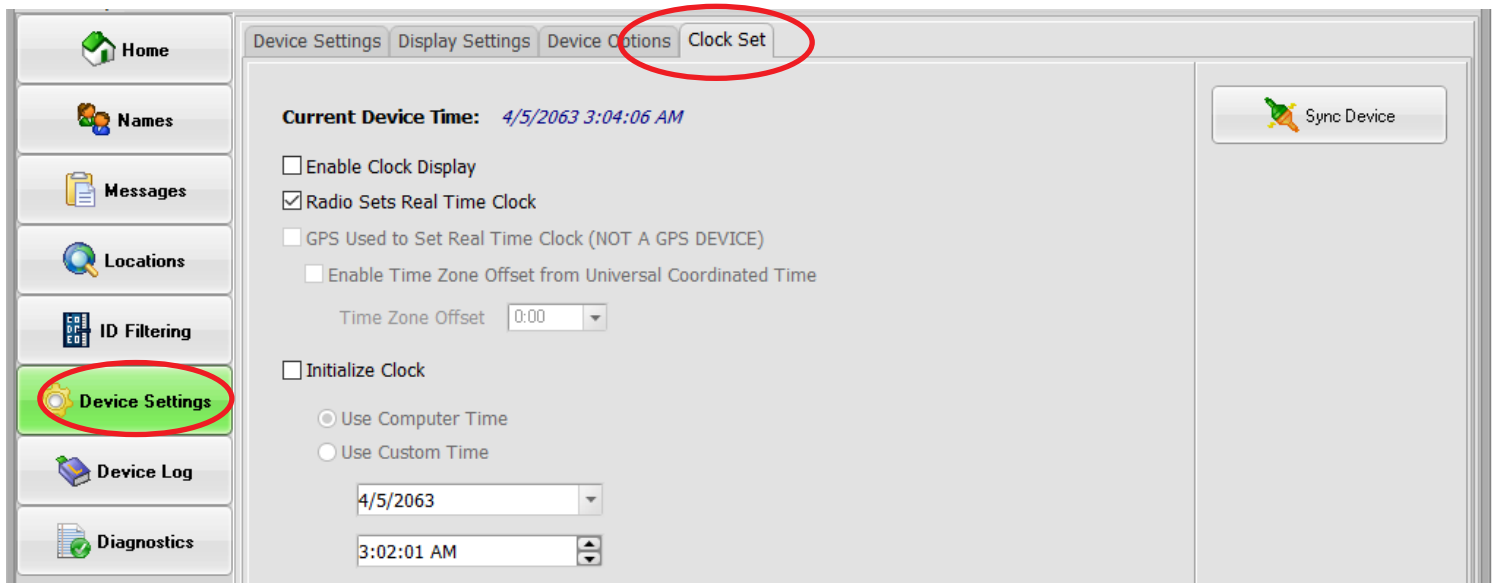
☐ **Signal Loss (RTC):** Do Not change unless directed by the Factory.

☐ **Out-of-Range (Ping):** Do Not change unless directed by the Factory.

☐ **Disable LEDs (Charge LEDs Will Still be Active when the Button is Pressed):** Factory default is unchecked. When disabled, none of the LED indicators will be visible except when a side button is pressed to show briefly show the Charge LEDs.

☐ **Use Canned Messages Index 40 to 79 as Free Form Messages:** Factory default is unchecked. Do Not change unless directed by Factory

☐ **Pendant Display:** Factory default is model dependent. Do Not change unless directed by the Factory.



Clock Set Tab:

Current Device Time: Displays the current time and date of the connected WorkForce®.

NOTE: The WorkForce® date and time will not be updated until the **Sync Device Settings** button is pressed.

☐ **Enable Clock Display:** Enables the clock time and date menu. If this is enabled and the clock is not set, the unit will indicate a clock not set fault. This fault (indicated by red Side LED #1) is cleared by setting the clock or by disabling the clock display.

☒ **Radio Sets Real Time Clock:** Enables Clock synchronization from radio message. Radio Sync messaging is only available on Grace-Watch® or Grace Connected Gateway systems.

☐ **GPS Used to Set Real Time Clock:** Enable to have the Clock set from GPS time sync.

☐ **Enable Time Zone Offset from Universal Coordinated Time:** Enable to set the local time zone.

Time Zone Offset: Set to your local time zone offset.

☐ **Initialize Clock:** Check this box to enable the time setting options.

Selecting **Use Computer Time** will match the WorkForce® to the time and date of the connected computer.

Use Custom Time will allow you to set the WorkForce® date and time as desired.

Sync Device Settings: After the desired date and time settings are complete, press the **Sync Device Settings** button to update time and date of the connected WorkForce®.

Device Log:

This window is for accessing WorkForce® device logs.

Download Log: Allows you to download the log from a connected WorkForce® device.

Open Log File: This allows you to save a downloaded log to your local system for future retrieval.

Print Log: Prints existing Log file.

Clear Device Log: This erases the logs in the connected device.

Diagnostics Window:

This window shows USB connections diagnostics data. You can save the diagnostic log for debugging if needed.

The information contained in this booklet is believed to be accurate and reliable.
Grace Industries, Inc. provides this information as a guide only.

FCC Statements

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

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, 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. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Industry Canada Statements

This Class A digital apparatus complies with Canadian ICES-003.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.(select the class for your device)

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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Grace Industries Incorporated, of Fredonia PA 16124 USA, warrants products that it manufactures to be free from defects in workmanship and materials for a period of one (1) year from the original date purchase. This warranty does not apply to third party products sold by Grace Industries. Grace Industries will repair or replace, at their sole discretion, defective products free of charge. This warranty applies to products that Grace Industries deems defective in its sole discretion due to defects in material or workmanship under normal use and maintenance and where a defect was not caused by accident, misuse or abuse of the product and that no disassembly, repairs or parts replacement were made or attempted by other than Grace Industries' personnel. **GRACE INDUSTRIES, INCORPORATED SHALL NOT BE LIABLE FOR ANY DIRECT, INCIDENTAL OR CONSEQUENTIAL LOSS OR DAMAGE ARISING OUT OF THE USE OF THE PRODUCT OR FAILURE OF THE PRODUCT TO OPERATE.**

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Warranty claims process: 1) Obtain a Return Authorization Code or Number from Grace Industries corporate headquarters by calling phone number 724-962-9231, or by email correspondence to sales@graceindustries.com. 2) The product name, serial number, date and proof of purchase must be provided and 3) Return products including Return Authorization number, prepaid and accompanied by original proof of purchase that states the date and location of purchase to: Grace Industries, Inc., Repair Department, 305 Bend Hill Road, Fredonia, PA 16124, USA. Customer is responsible for all shipping costs, return shipping costs, handling, or any other fees associated with a warranty claim.

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