

## RTI XP-8/s/v Display

### Overview

This document is intended to explain in detail the display menus on the XP-8/XP-8s/XP-8v.

### Getting Started

#### CHANGING LOCAL SETTINGS USING DISPLAY/MENU

The **MENU** button always takes you to the Main Menu, unless the system is locked, in which case, it takes you to the unlock screen.

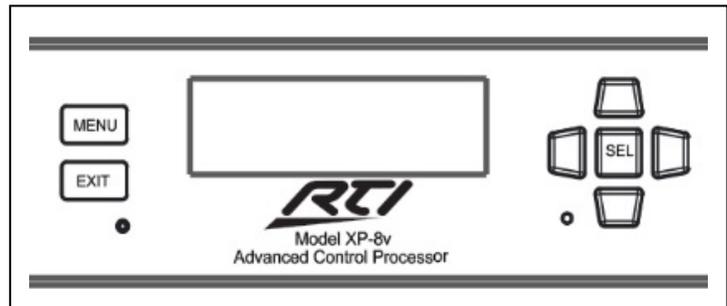
The **SEL** button takes you to the selected menu/function.

The **EXIT** button takes you to back one level (function to menu, or menu to previous menu). If you're already at the main menu, EXIT takes you back to the clock.

The **CURSOR** buttons navigate the selected menu options.

In functions, SEL and the cursors are function specific. Some functions have multiple levels, so EXIT may need to be pressed more than once to exit the function stack.

- Top level is the clock.
- If enabled, the password lock screen is the next level  
If not enabled, the next level is the main menu.



#### DISPLAY

The display on the XP-8/s/v is designed to give the installer feedback on the current status of the XP-8/s/v, change settings such as the time/date and offer some basic diagnostic tools for troubleshooting.

#### NOTE

Any configuration changes made through the LCD display settings will be overwritten after the XP-8/s/v is rebooted or an RTI system file is downloaded into the XP-8/s/v memory.

If a hard button is pushed and the XP-8/s/v screen briefly “bounces” this indicates a selection that is invalid.

#### FRONT PANEL LOCKOUT

It is possible to set a passcode that will block access to the menu system on the XP-8/s/v. This can be set in the properties of the XP-8/s/v within the RTI *Integration Designer*® programming software and downloaded as part of the system file. Use the cursor buttons on the XP-8/s/v to enter the correct passcode to open the menu display.

### Section 1 – Status

#### STATUS

##### I/O

##### I/O STATUS

##### MPIOs

Displays sensing status of a power sync module.  
(SPS-1/VPS-1) on each port

- On = Voltage or video present on sync module on each port
- Off = No voltage or video present on sync module on each port
- Blank = Port being used for serial communication

##### SENSE

Displays status of each sense input.

- On = Input in Voltage Trigger mode and voltage present
- Off = Input in Voltage Trigger mode and no voltage present
- Open = Input in Contact Closure mode and no contact closure present
- Close = Input in Contact Closure mode and contact closure present

##### RELAYS

Displays the current state of each relay.

- Open = Relay is open
- Closed = Relay is closed

##### VERSION

Displays the firmware version/date running on the XP-8/s/v.

##### SYSTEM STATUS

##### TIME/DATE

Displays the current time settings.

- Current Time and Date
- Time Zone
- Sunrise Time and Sunset Time

##### STORAGE

Displays the memory and storage status of the XP-8/s/v  
Ext Storage

- Displays external storage status

Memory (RAM)

- Displays internal memory (RAM) status

Int Storage

- Internal Storage - Displays internal storage status

### CONFIGURATION STATUS

#### LAT/LONG

- Displays current latitude and longitude

#### PROGRAM INFO

Displays the XP-8/s/v and system zone code information defined in *Integration Designer*<sup>®</sup>

- System Name = Name of XP-8/s/v (defined in *Integration Designer*<sup>®</sup>)
- Macro Engines = Number of macros that can run simultaneously
- System Zone Code = Zone code used for system file
- Device Code = Code assigned to device in system file

#### NETWORK

Displays current network settings.

- IP = IP Address
- Sub = Subnet Mask
- Gateway = Gateway IP address (may be missing if no gateway is defined)
- DNS = DNS IP address
- DHCP or Static = Displays which method of IP address configuration being used
- MAC = MAC Address

## Section 2 – Diagnostics

### DIAGNOSTICS

#### DIAGNOSTIC INPUT/OUTPUT MENU

#### RELAY

#### RELAY DIAGNOSTICS

Displays and allows adjustment of the current mode (contact closure/voltage trigger) and state (open/close) of each relay.

To determine the current mode and state:

- c = Relay in contact closure mode – relay open
- C = Relay in contact closure mode – relay closed
- t = Relay in voltage trigger mode – relay open
- T = Relay in voltage trigger mode – relay closed

To change the state of a relay use the menu options along the bottom of the screen:

- Open = Opens selected relay
- Close = Closes selected relay
- Open all = Opens all relays
- Close all = Closes all relays

To change the mode (contact closure/voltage trigger) of a relay use the up and down cursor buttons (^/v)

### HIGH OUT IR DIAGNOSTICS

Allows a sample IR code to be sent out the High Out IR output

- Test = Sends sample IR code

### MPIO DIAGNOSTIC MENU

#### I/O TEST

MPIO I/O Test Diagnostics – Display/adjust current state and testing of MPIO ports

- To determine current state
- + = Power/video present on sync module
- - = No power/video present on sync module
- No +/- = Port in serial mode

To adjust/test MPIO ports use the menu options along the bottom of the screen.

- IR Test – Sends sample IR code out selected port
- Sense – Changes selected port to sense mode
- Serial - Changes selected port to serial mode

Tx Test = Sends sample RS-232 string out selected port

TEST STRING – Display/adjust the sample RS-232 string that will be sent out on Tx Test

BAUD RATE – Display/adjust RS-232 settings

Use cursor up/down buttons to change values of:

- Baud rate
- Data bits
- Parity
- Stop bits

SERIAL – Send sample RS-232 string out selected port

### DIAGNOSTIC SYSTEM MENU

#### NETWORK

DIAGNOSTIC NETWORK MENU – Use cursor up/down buttons to display and adjust network settings. Press SEL button to keep the settings. Use Rebind function to apply the settings.

NOTE: Network settings should be changed on XP-8/s/v for diagnostic purposes only. Settings will be lost upon downloading a system file or power is lost.

- IP Address
- Netmask
- DNS
- DHCP/Static
- Gateway
- Rebind – after changing any of previous settings, select rebind to apply all new settings simultaneously.

### Section 3 – Setup

#### SETUP

#### CLOCK

CLOCK – Display/adjust current time and date

- Set Time – use the cursor buttons to adjust
- Set Date – use the cursor buttons to adjust

MENU TIMEOUT – Adjust where the display menu reverts to after the backlight timeout.

- Enable – Will revert the display back to the system clock after backlight timeout.
- Disable – Will remain at the most recently selected menu after backlight timeout.