

Introduction

This quick start guide provides basic operating instructions for the MSI-9750 RF Remote Indicator. The following information is intended as a reference to help you quickly begin using the MSI-9750. This flexible, high performance, hand-held indicator supports proprietary protocols, providing connectivity to Measurement Systems International *Cellular Weighing Networks* and *CellScale®* devices.

Detailed information on the operation, setup and servicing of the MSI-9750 RF Remote Indicator for *CellScale®* can be found in the MSI-9750 User Guide. Consult your authorized Measurement Systems International representative for information on advanced operations or for information on available accessories. Review all instructions and safety precautions carefully.

Unpacking and Inspection

If upon delivery the shipping container for the Remote Indicator appears damaged, check for internal damage and file a freight claim with the carrier if required.

If the container is undamaged, unpack the Remote Indicator from its packaging and inspect each component for damage. Package contents for all RF Remote Indicators include one (1) MSI-9750, one (1) AC adapter / battery charger input and one (1) AC adapter power cord.

9750 Keypad

The MSI-9750 keypad consists of 24 keys: 11 alphanumeric keys, 7 control keys and 6 user programmable keys. The keys perform the following functions:

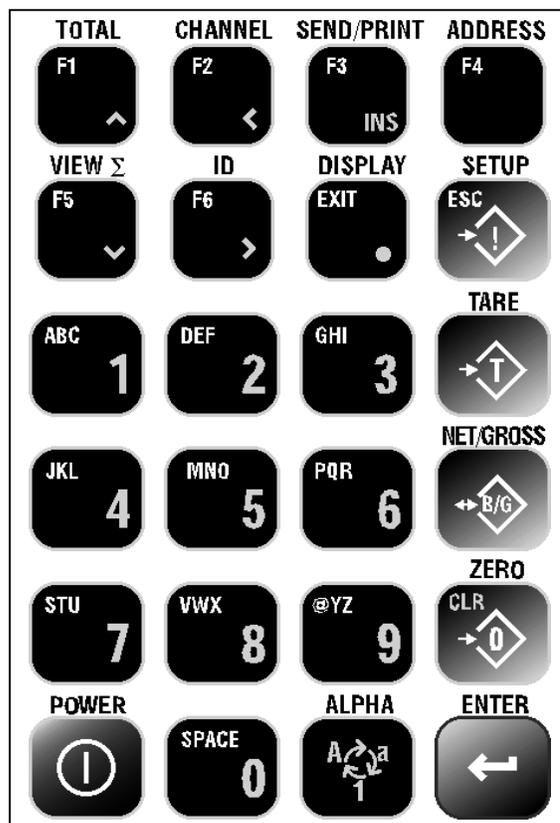
POWER Key () is used to turn the unit “ON” and “OFF”. Must be held for 1 second to ensure startup.

NUMERIC Keys (0 through 9) are used to input all numerals and letters for data entry. Submenus provide punctuation and control characters.

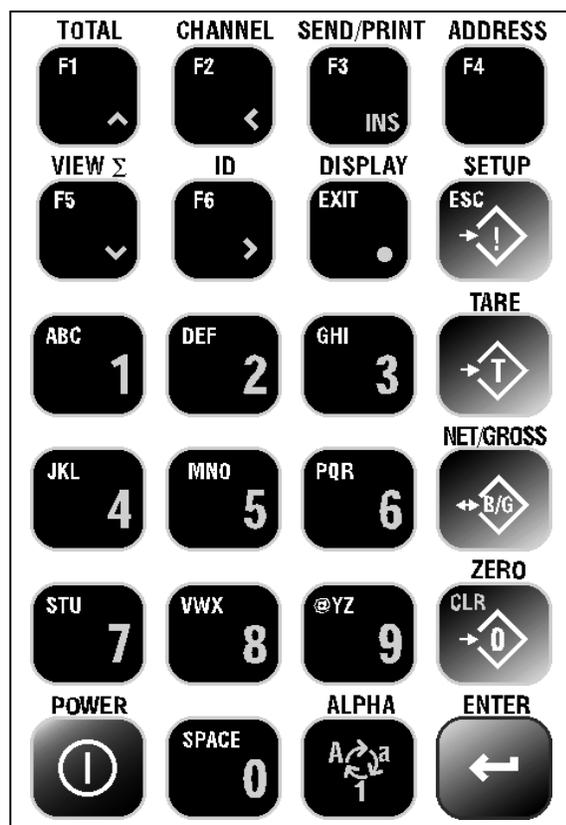
ALPHA Key (ALPHA) is used during text entries to select upper case, lower case or numbers.

ENTER Key () acknowledges a prompt, opens a submenu, accepts data entered from the key pad or is used as a shift key to access secondary functions.

ZERO Key (0) zeroes out residual weight on the scale and allows you to clear (CLR) values that were entered from the keypad.



9750 Keypad (continued)



NET/GROSS Key (B/G) switches between Net (Tared) weight display and Gross weight display when a tare value has been entered.

TARE Key (T) is used to enter tare values or clear the tare; i.e. – zero out the weight of containers, trucks or carriers and place the scale in the Net weight mode.

SETUP Key (!) is used to enter the setup selection menus, exit the setup selection menus with new selections saved or to escape (ESC) back to a previous menu if no selections have been made.

DISPLAY Key (^{EXIT} .) is used to completely exit selection menus and return to the normal display mode. It is also used to enter a decimal place on numeric keypad entries.

FUNCTION Keys (F1 through F6) are used to quickly access assigned functions. Each of the user programmable keys may be set up with a primary and secondary function (See Programming Function Keys in the User Guide). The Default assigned to each function key is printed above the function key. Function keys also serve as navigation keys for the Setup Selection Menus. Reference the table below.

Function Key – Default Settings

<u>Function Key</u>	<u>Primary Default Function</u>	<u>Secondary Default Function</u>	<u>Setup Select Menu Function</u>
F1	TOTAL	Clr Last Σ	(^) Curser Up
F2	CHANNEL	Back Channel	(<) Curser Left or Scroll Increment
F3	SEND/PRINT	Print Comm 1	(INS) Insert / Replace Entered Data
F4	ADDRESS	Back Address	
F5	VIEW Σ	View Grand Σ	(v) Curser Down
F6	ID	New Prod ID	(>) Curser Right or Scroll Increment

Note: To access Secondary Functions, press [**ENTER**] followed by the Function Key.

Example: Press [**ENTER**] [**F1**] to Clear Last Σ .



9750 Display

The MSI-9750 RF Remote Indicator has one display where scale data and operational messages are presented. The backlight, transfective LCD has a 128 x 64 pixel arrangement that is capable of 8 lines, 20 characters each. The character size is dependent upon the display setup chosen.

Display Test Characters

To ensure the MSI-9750 display is functioning properly, a character display test can be performed. With the unit “ON”, press [**POWER**] [**SETUP**] [**TARE**] to initiate the character display test. The MSI-9750 will cycle through a test of all display characters continuously (Note: There are 30 test screens, each is displayed for 2 seconds). To end the test, press [**SETUP**] [**DISPLAY**]. The unit will be returned to its normal operating mode.

9750 First Time Use

The operation of the MSI-9750 RF Remote Indicator for CellScale® is a simple task. Its user-friendly interface and easy-to-read display allow one to quickly get up to speed. To get started, it is recommended that the user familiarize themselves with the following:

- Turning the Unit “ON” and “OFF”
- Selecting System Settings
 - Key Volume
 - Backlight Time
 - Auto Shutdown
 - Date and Time
- Selecting the Scale Display
 - Preset Display Screens
- Performing Basic Operator Functions
 - Zero the Scale
 - Entering and Clearing Tare Values
 - Switching Between Net and Gross Display Modes
 - Changing RF Networks

Turning the Unit “ON” and “OFF”

Turning “ON”

Make sure the CellScale® master (MSI-9000 or MSI-6260CS) has been turned “ON” first. Then press and hold [**POWER**] for one (1) second on the MSI-9750. The unit will proceed with its powering up sequence.

Turning “OFF”

When the MSI-9750 is “ON”, press [**POWER**] to turn the unit “OFF”. The MSI-9750 will proceed with its powering down sequence. If [**POWER**] was pressed in error, press [**DISPLAY**] to cancel the shutdown process and continue with normal operation.

Selecting System Settings

There are four (4) System Settings that can be set for the user's operating preference; Key Volume, Backlight Time, Auto Shutdown Time, Calendar Date and Time of Day. All of these selections are made in the System Setup menu, which can be accessed by pressing [SETUP] [3].

Key Volume

The Key Volume setting controls how loud the tones will be when keypad buttons are pressed. To adjust this volume, enter the System Setup menu by pressing [SETUP] [3], press [1] to enter the Key Volume submenu. A “▶” symbol will point to the current Key Volume setting. To change it, press the number (0 through 9) that corresponds to your preference, or press [CLR] to turn the keypad tones “OFF”. If no change is desired, press [ESC] to return to the System Setup menu.

After a selection has been made, the MSI-9750 will return to the System Setup menu. The new Key Volume setting will be shown. At this point, the following choices are available:

- Press [EXIT] to completely exit selection menus and return to the normal display mode.
- Press [ESC] [ESC] to return to the normal display mode (one menu at a time).
- Press the number that corresponds with the next System Setting to be changed.

Backlight Time

The Backlight setting controls the duration of time the display backlight will stay “ON” after keypad buttons have been pushed. To adjust this time, enter the System Setup menu by pressing [SETUP] [3], press [3] to enter the Backlight submenu. A “▶” symbol will point to the current Backlight setting. To change it, press the number (1 through 4) that corresponds to your preference. If no change is desired, press [ESC] to return to the System Setup menu.

After a selection has been made, the MSI-9750 will return to the System Setup menu. The new Backlight setting will be shown. At this point, the following choices are available:

- Press [EXIT] to completely exit selection menus and return to the normal display mode.
- Press [ESC] [ESC] to return to the normal display mode (one menu at a time).
- Press the number that corresponds with the next System Setting to be change.

Auto Shutdown

The Auto Shutdown setting controls the duration of time the MSI-9750 will remain “ON” if no further activity takes place. To adjust this time, enter the System Setup menu by pressing [SETUP] [3], press [5] to enter the Automatic Shutdown submenu. A “▶” symbol will point to the current Auto Shutdown setting. To change it, press the number (1 through 5) that corresponds to your preference. If no change is desired, press [ESC] to return to the System Setup menu.



Auto Shutdown (continued)

After a selection has been made, the MSI-9750 will return to the System Setup menu. The new Auto Shutdown setting will be shown. At this point, the following choices are available:

- Press [**EXIT**] to completely exit selection menus and return to the normal display mode.
- Press [**ESC**] [**ESC**] to return to the normal display mode (one menu at a time).
- Press the number that corresponds with the next System Setting to be change.

Date and Time

The Date and Time setting is used to enter/adjust the calendar date and time of day (clock time) stored/displayed by the MSI-9750. To change the calendar date and/or clock time, enter the System Setup menu by pressing [**SETUP**] [**3**], press [**4**] to enter the Set Calendar and Clock submenu. The following choices appear:

1. Set Date ⇒ Sets the Calendar Date. Press [**ENTER**] after setting the correct date.
2. Set Time ⇒ Sets the Clock Time. Press [**ENTER**] after setting the correct time (It is recommended that Daylite Saving be set prior to setting the clock time; see choice **5** below).
Note: When in AM/PM mode, use [**1**] for AM or the [**6**] for PM.
3. Date Mode ⇒ Sets the Date format as MM/DD/YY or DD-MM-YY. Press [**3**] to toggle to the desired mode, then press [**ESC**] to exit and save your selection.
4. Time Mode ⇒ Sets the Time format as AM/PM or 24 Hr. Press [**4**] to toggle to the desired mode, then press [**ESC**] to exit and save your selection.
5. Daylite Saving ⇒ Sets Daylight Saving Time as OFF, ON or AUTO (It is recommended that Daylite Saving be set to AUTO). Press [**5**] to toggle to the desired choice, then press [**ESC**] to exit and save your selection.

After the date and time setting have been made, the MSI-9750 will return to the System Setup menu. At this point, you the following choices are available:

- Press [**EXIT**] to completely exit selection menus and return to the normal display mode.
- Press [**ESC**] [**ESC**] to return to the normal display mode (one menu at a time).
- Press the number that corresponds with the next System Setting to be change.

Selecting The Scale Display

Several preset Scale Display screens have been pre-programmed in the MSI-9750 for operator convenience. To begin, press [**SETUP**] [**DISPLAY**] to enter the Scale Display Setup menu (an alternate method is to press [**SETUP**] [**7**] [**2**]). Press [**1**] for Single Scale preset display options. Press the number (**1** through **4**) that corresponds to your preference, a View of the display screen selection will be displayed. Press [**ESC**] to return to the list, the new selection will be highlighted.

After a preset Scale Display screen is highlighted, the following choices are available:

- Press [**EXIT**] to completely exit selection menus and return to the normal display mode.
- Press [**ESC**] [**ESC**] [**ESC**] to return to the normal display mode (one menu at a time).

Basic Operator Functions

Summarized below are instructions on a few of the MSI-9750 basic operator functions. For detailed instructions of all operating functions, reference the MSI-9750 User Guide.

Zero the Scale

To establish a new zero center of reference for the scale, press [**ZERO**] when the MSI-9750 is in its normal operating mode.

Entering and Clearing Tare Values

To enter a tare value, the MSI-9750 should be in its normal operating mode. Press the numeric keys (**0** through **9**) of the desired tare value, then press [**TARE**].

Example: Tare = 250, press [**2**] [**5**] [**0**], then press [**TARE**].

To clear the tare, press the numeric [**0**] key and [**TARE**]. This will set a zero tare value; the MSI-9750 will only display weights in gross mode.

Switching Between Net and Gross Weights

Press [**NET/GROSS**] to change between Net and Gross weights. Note: a tare value must be entered for this key to function. Pressing [**DISPLAY**] will momentarily show the current tare value.

Changing RF Networks

To change the RF Network, the MSI-9750 should be in its normal operating mode. Press the numeric keys (**0** through **9**) of the new network address, then press [**ADDRESS**].

Example #1: Changing to RF Network 3. Press [**3**] [**ADDRESS**].

Example #2: Changing to RF Network 15. Press [**1**] [**5**] [**ADDRESS**].

Battery Status and Charging

The MSI-9750 comes with a rechargeable NiMH battery pack. The unit will display a low battery symbol when recharging is needed. To charge, plug either the AC or Automotive Adapter / Battery Charger Input into the side of the unit (charger input jack). The LED charging status indicator on the MSI-9750 will illuminate **RED** to indicate the battery is charging and change to **GREEN** when fully charged (approximately 2 hours). Reference the MSI-9750 User Guide for detailed instructions on battery maintenance.

Battery Monitor Function

To access the battery monitor function, press [**SETUP**] [**3**] [**6**]. The MSI-9750 main battery voltage level, clock battery condition, and the CellScale® battery condition will be displayed. Pressing [**EXIT**] will return to the normal operating mode.



The MSI Limited Warranty

Measurement Systems International, Inc., warrants load sensing elements and meters against defects in workmanship and materials for a period of one year from date of purchase and warrants electrical cables and batteries against the same defects for a period of ninety (90) days from date of purchase.

Any device, which proves defective during the warranty period, will be replaced or repaired at no charge; provided that the defective device is returned to the Company pre-paid.

In no event shall the Company be liable for the cost of any repairs or alterations made by others except those repairs or alterations made with its specific written consent, nor shall the Company be liable for any damages or delays whether caused by defective workmanship, materials or otherwise.

The Company shall not be liable for any personal injury or property damage resulting from the handling, possession or use of the equipment by the customer.

The warranty set forth herein is exclusive and is expressly in lieu of all other warranties, express or implied, including without limitation any implied warranties of merchantability or fitness, or of any other obligations or liability on the part of the Company.

The liability of the Company under this warranty is limited solely to repairing or replacing its products during the warranty periods; and the final judgment and disposition of all claims will be made by Measurement Systems International, Inc.

NOTES

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