

DIGI★STAR

P R E C I S E L Y

Cab Control 2.4

Operators Manual



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Getting Started

The Cab Control 2.4 allows the loader operator to communicate via radio signal to a properly equipped EZ indicator. Once in contact with an indicator, the Cab Control allows the loader operator to view the indicator display and control the indicator by pressing buttons on the Cab Control front panel.

Installing Cab Control 2.4

Mounting Location

Metal structures surrounding the indicator and the Cab Control 2.4 may block the radio signal. The Cab Control 2.4 is designed to work with the EZ indicator mounted inside the cab of a truck and the Cab Control 2.4 mounted in a loader or tractor cab at, or above, dashboard level.

Connecting Power

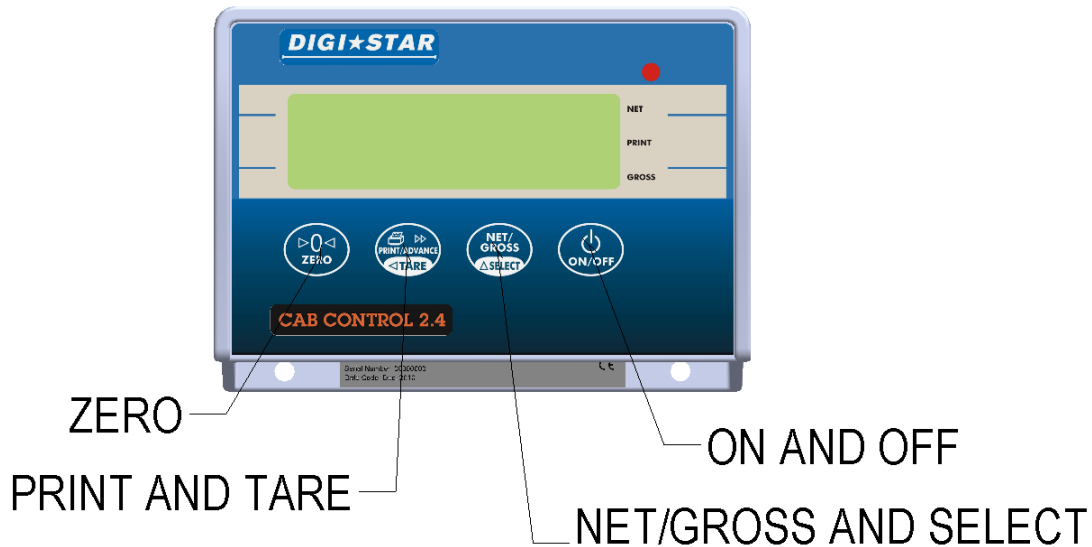
Power can be obtained directly from either a 12 Volt or a 24 Volt electrical system or for stationary applications, from a 120VAC to 12VDC power cube that plugs into a wall outlet.

Warning!	Disconnect the Cab Control 2.4 power cord before jump-starting or fast-charging the battery.
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Connect the **RED** wire from the power cable to **12VDC or 24VDC** and the **BLACK** wire to **GROUND**. The Cab Control 2.4 is fused internally at 2 Amps but typically uses less than 0.20 Amps. The Orange and Blue wires are not connected.

Wire Color	Wire Function
RED	Battery (+12VDC)
BLACK	GROUND

Operating the Cab Control 2.4**Cab Control 2.4 Keys**

Three of the four Cab Control 2.4 keys have dual functions. The function listed on the top of the key is selected by momentarily pressing the button. To access the function listed on the bottom of the key, the operator must press and hold the key.

Zero	Press momentarily.
Print	Press momentarily.
Tare	Press for 1-1/2 seconds.
Net/Grs	Press momentarily.
Select	Press for 1-1/2 seconds.
On	Press momentarily.
Off	Press and hold until display reads "B/E".

NOTE: Use the "Print" key on the Cab Control 2.4 to advance ingredient when in the batching mode.

Turning on the Cab Control 2.4

Press [On].

- A brief *HELLO* and *CAB CONTROL* message will be displayed.
- If no signal is received, the indicator will flash *NODATA* and the scale number. Example: *5CL 2*.
- If a signal is received, the Cab Control 2.4 display will match the display on the scale.
- Pressing a key on the Cab Control 2.4 front panel causes that key-press to be entered on the scale indicator.

*NOTE: To turn Cab Control 2.4 off, press and hold [On/Off] until *OFF* is displayed. Scale indicator cannot be turned “On” or “Off” from the Cab Control 2.4.*

Communicating with a Different Truck

1. Press and hold [Net/Grs] for 1.5 seconds to enter the “select” mode. The Cab Control 2.4 will display the indicator number that is currently communicating.
2. Press [Select] again (within 3 seconds) until desired indicator number is displayed.

NOTE: After 3 seconds, the Cab Control 2.4 displays the currently selected scale.

- If a signal is being received, the Cab Control 2.4 display will match the display on the scale.
- If the desired scale number is not being displayed, see “**Setting Up the Cab Control 2.4**” steps 1 through 7 on page 6.

Setting-Up the Indicator

The Cab Control 2.4 is compatible with any indicator equipped with a second generation 2.4 GHz radio product. It is not compatible with legacy 2.4 GHz radio products utilizing the 2.4 GHz XStream radio (FCC ID: OUR-24XTREAM).

The EZ indicator being used with the Cab Control 2.4 will have one of two radio options:

- 1) An internal factory-installed and configured radio that is assigned a unique scale number *(SCL NO)*.
- 2) An ERM 2.4 external radio installed on the J905 serial port.

NOTE: Two indicators cannot operate using the same scale number. For best performance on systems with six or less indicators, use scales numbered 1 - 6.

To set up the indicator for use with the Cab Control, adjust the following menu settings:

For internal radios:

REMOTE - *ON*

SCL NO - Select 1 – 24 (DAN# 231)

For external radios:

EXTRAD - *ON* (DAN# 229)

SCL NO - Select 1 – 24 (DAN# 231)

Changing Scale Number on Indicator

NOTE: Perform this process on the indicator front panel (Do not use Cab Control 2.4).

1. Enter the Long Form Setup by holding [Net/Grs] and [On].
2. Press [Net/Grs] or [Select] to advance to *MENU 2*.
3. Press [On] to advance to *REMOTE*.
4. Press [Net/Grs] or [Select] to set to *ON*.
5. Press [On] to save setting and advance to *SCL NO*.
6. Press [Net/Grs] or [Select] to set to desired scale.
7. Press [On] to save setting and advance to end of menu.

Setting-Up the Cab Control 2.4

The Cab Control 2.4 is setup at the factory. There is one selection for the *BUZZER*, one for *AUTOFF* and twelve selections to enable or disable communications from each of the twelve available scales.

BUZZER - Turn audio alarm *OFF* or *ON*.

AUTOFF - Set Cab Control 2.4 to turn off after *15*, *30* or *60* minutes.

SCL NO - Disable or enable each of the 24 scale selections.

Note: *Disable unused scale selections to avoid selecting scales that are not in use.*

Setting up Cab Control 2.4

1. Follow steps “a” and “b” to enter the “SETUP” menu:
 - a. Turn the unit off.
 - b. Hold [Net/Grs], press [On] momentarily and continue to hold [Net/Grs] for 8 seconds.

SETUP and *BUZZER* will show on the display followed by the current setting.

2. Press [Net/Grs] or [Select] to toggle the buzzer *ON* or *OFF*.
3. Press [On] to save the setting and advance to *AUTOFF*.
4. Press [Net/Grs] or [Select] to select *OFF*, *15*, *30* or *60*.
5. Press [On] to save the setting and advance to the next selection.
6. Press [Net/Grs] or [Select] to enable (Y) or disable (N) each of the 24 available scales.
7. Press [On] to save the setting and advance to the next selection.
8. After scale number 24 has been set, press [On] to exit or [Net/Grs] to run self-test.

Example below illustrates how to set up a system with two scales. *BUZZER* is set to *ON*, *AUTOFF* is set to *15* minutes and Scale #1 and Scale #2 are enabled:

```
BUZZER -- ON
AUTOFF -- 15
SCLLST
SCO 1-4   SCO5-N   SCO9-N
SCO2-4   SCO6-N   SC 10-N
SCO3-N   SCO7-N   SC 11-N
SCO4-N   SCO8-N   SC 12-N
```

NOTE: On systems with six or less scales, use scales numbered 1 through 6.

Running Self Test

To run the self-test on the Cab Control 2.4, follow instructions under “Setup Cab Control 2.4” steps 1 through 7 on page 6 and press [Net/Grs] in step 8.

Low Battery Indication

If the power supply voltage drops below 10.5 Volts, the message *RECHARGE BATTERY - TURNING OFF* and *LO PWR* will periodically show on the display to alert the operator of the low battery condition.

*NOTE: If **LO BAT** is displayed, the indicator power (not the Cab Control 2.4 power) is below 10.5 volts.*

Warning!



Disconnect the Cab Control 2.4 power cord before jump-starting or fast-charging the battery.

Agency Approvals

United States of America

FCC

ID: OUR-XBEE/OUR-XBEEPRO

Contains Model XBee-PRO Radio

The enclosed device complies with Part 15 of the FCC Rules. Operation is subject to the following two

conditions: (i.) this device may not cause harmful interference and (ii.) this device must accept any interference received, including interference that may cause undesired operation.

Canada

Industry Canada

Contains Model XBee-PRO Radio, IC: 4214A-XBEEPRO

Europe

ETSI



Japan

MIC

ID: 005NYCA0378

Technical Support

Contact the Technical Support Hotline at 1(920) 563-9700