



# CC400

## User Manual



Ft. Atkinson, Wisconsin USA



Panningen, the Netherlands

[www.digi-star.com](http://www.digi-star.com)



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## **Getting Started**

The Cab Control 400 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 400**

### **Mounting Location**

Metal structures surrounding the indicator and the Cab Control 400 may block the radio signal. The Cab Control 400 is designed to work with the EZ indicator mounted inside the cab of a truck or tractor and the Cab Control 400 mounted in a loader or tractor cab at dashboard level or above.

### **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!**



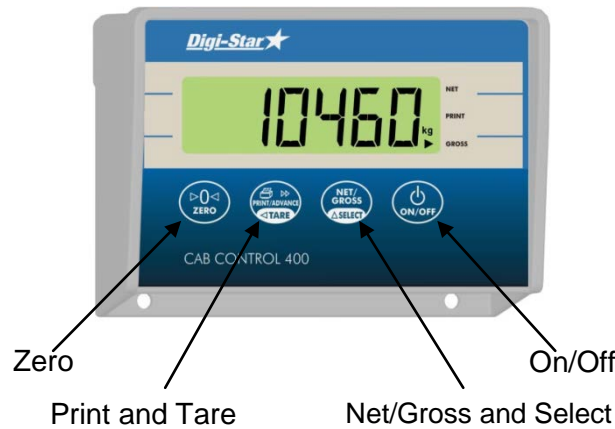
**Disconnect the Cab Control 400 power cord before jump-starting or fast-charging the battery.**

Connect the **RED** wire from the power cable to **12VDC or 24VDC** and the **BLACK** wire to **GROUND**. The Cab Control 400 is fused internally at 2 Amps but typically uses less than 0.20 Amps. The Orange and Blue wires are not connected.

<b>Wire Color</b>	<b>Wire Function</b>
RED	Battery (+12VDC)
BLACK	GROUND

*Operating the Cab Control 400*

**Cab Control 400 Keys**



Three of the four Cab Control 400 keys have dual function. The function listed on the top of the key is actuated by momentarily pressing the button. The function listed on the bottom of the key requires the operator to “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 for 3 seconds.

**NOTE:** Use the “Print” key on the Cab Control 400 to advance ingredient when in the batching mode.

**Turn on the Cab Control 400**

Press [On].

- A brief hello and Cab Control message will be displayed.
- If no signal is being received, the indicator will flash NODATA and the scale number. Example: 5CL 2.
- If a signal is being received, the Cab Control 400 display will match the display on the scale.
- Pressing a key on the Cab Control 400 front panel causes that key-press to be entered on the scale indicator.

**NOTE:** To turn Cab Control 400 off, press and hold [On/Off] until “BYE” is displayed. Scale indicator cannot be turned on or off from the Cab Control 400.

***Communicate with a Different Truck***

1. Press and hold [Net/Grs] 1-1/2 seconds to enter the “select” mode. The Cab Control 400 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 400 displays the currently selected scale.*

- If a signal is being received, the Cab Control 400 display will match the display on the scale.
- If the desired scale number is not being displayed, see “**Set Up the Cab Control 400**” steps 1 through 7 on page 4.

**Setting-Up the Indicator**

The EZ indicator has a factory-installed and configured radio that is assigned a unique scale number ( *SCL NO* ). Two indicators cannot operate using the same scale number. The following setup parameters are required for proper radio operation:

*REMOTE - ON*

*SCL NO - (SELECT 1 - 12)*

*NOTE: For best performance on systems with six or less indicators, use scales numbered 1 - 6.*

***Change Scale Number on Indicator Using Long Form Setup***

1. Enter the Long Form Setup by holding [Net/Grs] and [On] for three seconds.
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 400

The Cab Control 400 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. If necessary to re-configure the setup parameters, see below.

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

`AUTOFF` - Set Cab Control 400 to turn off after 15, 30 or 60 minutes.

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

*Note:*        *Disabling unused scale selections allows the operator to avoid selecting scales that are not in use.*

### **Setup Cab Control 400**

1. Follow steps "a" and "b" to enter the "SETUP" menu:
  - a. Turn the unit off.
  - b. Press [On] while holding either [Net/Grs] or [Select] 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 twelve available scales.
7. Press [On] to save the setting and advance to the next selection.
8. After scale number twelve 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 60 minutes and Scale #1 and Scale #2 are enabled:

`BUZZER` - `ON`

`AUTOFF` - `60`

`SCLLST`

<code>SC01-Y</code>	<code>SC05-N</code>	<code>SC09-N</code>
<code>SC02-Y</code>	<code>SC06-N</code>	<code>SC10-N</code>
<code>SC03-N</code>	<code>SC07-N</code>	<code>SC11-N</code>
<code>SC04-N</code>	<code>SC08-N</code>	<code>SC12-N</code>

**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 400, follow instructions under “Setup Cab Control 400” steps 1 through 7 on page 4 and press [Net/Grs] in step 8.

## **Low Battery Indication**

If the power supply voltage drops below the (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 400 power) is below 10.5 volts.*

**Warning!**



**Disconnect the Cab Control 400 power cord before jump-starting or fast-charging the battery.**

## **FCC Notifications**

FCCID: OUR-24XTREAM

This device complies with part 15 of the FCC rules. Operation is subject to the following 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.

To comply with FCC regulations, this device may be used only with approved antennas. Contact Digi-Star Customer Support for additional information.

**Warning!**



**This equipment is approved only for mobile and base station transmitting devices, separation distances of 20 centimeters (8 inches) or more should be maintained between the antenna and nearby persons during operation. To ensure compliance, operation at distances closer than this is not recommended.**