Plant Connect
Production Data Anywhere

Belt-Way Scales Inc.
102 East Daugherty St.
Webb City, MO 64870
Phone: (800) 441-4237
sales@beltwayscales.com
www.beltwayscales.com

1. Introduction

The Plant Connect system allows the user to remotely monitor Belt-Way conveyor belt scales over the Internet. The Belt-Way integrator can be connected to any internet connection. The customer must provide appropriate Cat5e cable, network switches, Wifi transmitters, or other hardware required to add integrators to a network.

2. Check Integrator Firmware Version
PLANT CONNECT WON'T WORK WITHOUT CORRECT INTEGRATOR FIRMWARE!

A. Press the **Menu** button. Choose **Totals & Diag**.

B. Press the **Menu** button. Choose **Totals & Diag**.

C. Check **Integrator Board Firmware Version**

A new version of Plant Connect was released in January 2019 that requires integrator firmware version 6.43 or greater. Existing integrators running firmware versions 3.XX, 4.XX, or 5.XX must have a new integrator board installed or be returned to Belt-Way for manual upgrade. Contact Belt-Way prior to installation if a firmware update is required!

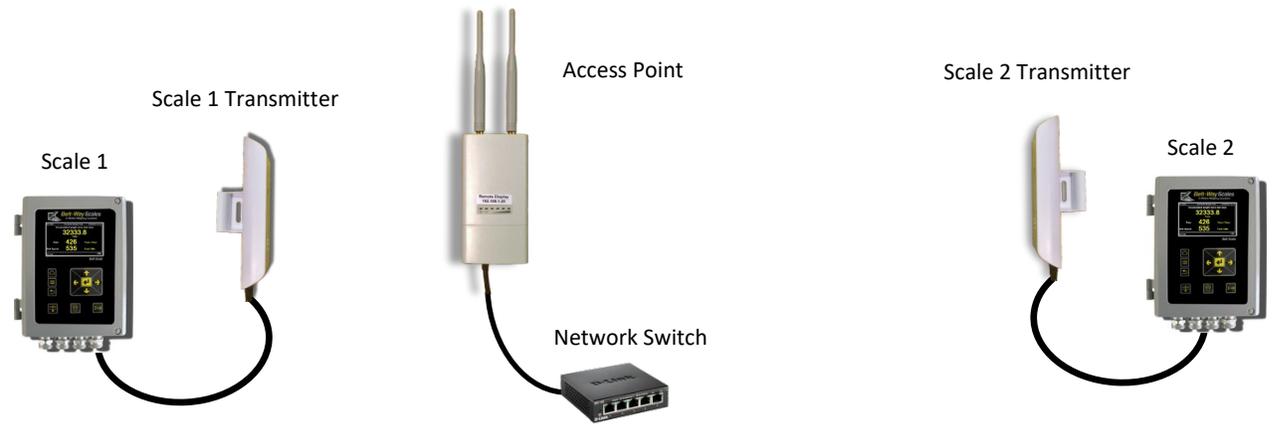## 3. Connect Cat5e ethernet cable to integrator

Route the cable through the cord connector directly below the Ethernet port.
Split the rubber grommet to allow the RJ-45 connector to fit through the hole.
Plug the cable into the integrator ethernet port.

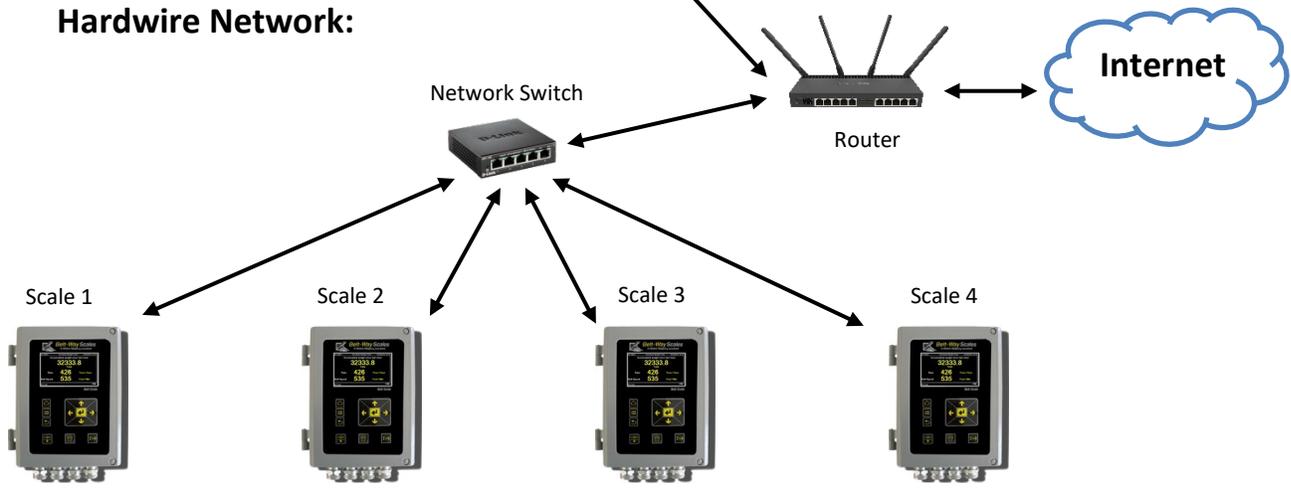**Only install the POE fuse if you are powering a Wifi transmitter!**
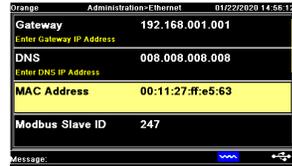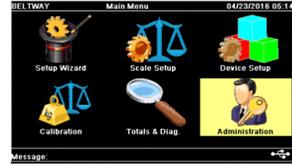
4. Network Examples

Wireless Network:

Scale 1 Transmitter

Access Point

Scale 2 Transmitter

Scale 1

Scale 2

Network Switch

Hardwire Network:

Network Switch

Router

Internet

Scale 1 Scale 2 Scale 3 Scale 4

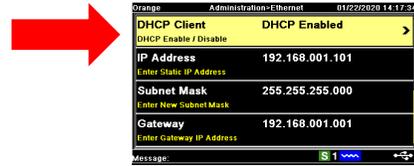## **5. Record MAC Address and contact Belt-Way tech support.**

A. Press the **MENU** Button and choose **Administration**

B. Choose **Ethernet**

C. Arrow down to the MAC address and write it down.

D. Contact Belt-Way tech support and supply
MAC addresses for all integrators.
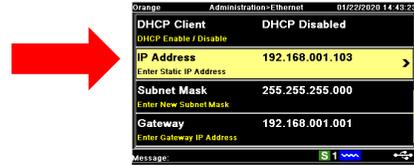**You will also be issued a unique CUSTOMER ID**.

6. Configure Integrator IP addresses

* A network administrator must oversee the process of adding new devices to your network! *

A. **Option 1:**
**Enable DHCP to have the network router assign an
IP address to each integrator.**

B. **Option 2:**
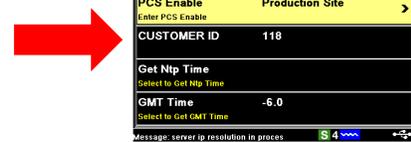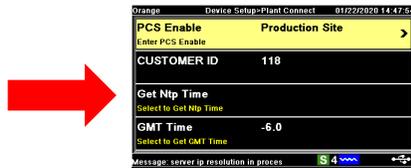**Disable DHCP and assign an unused Static IP address.**

7. Enable Plant Connect

A. Press the **Menu** button. Choose **Device Setup.**

B. Next choose **Plant Connect.**

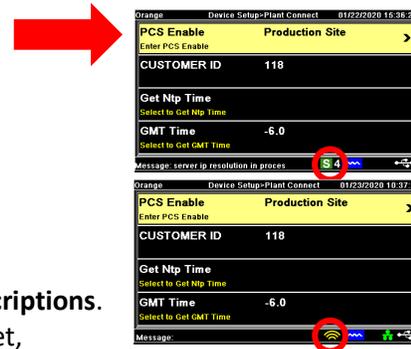C. Enter the CUSTOMER ID supplied by Belt-Way tech support.

D. Enable daylight saving **(DST)** to automatically
    adjust the integrator time for daylight savings.
    Change **GMT Time** to the local time zone.
    -5 = Eastern Time
    -6 = Central Time
    -7 = Mountatin Time
    -8 = Pacific Time
    -9 = Alaska Time
    -10= Hawaii Time

E. Change **PCM Connection** to **LAN.**

F. Change **PCS Enable** setting to **Production Site.**
    The integrator will now attempt to access the Internet
    And connect to the Plant Connect server. This usually takes
    a few minutes. The message line shows the current activity
    and the status icons will change from **S1 through S4.**
    The WIFI icon will appear when the connection is successful.

    A full explanation of the icons can be found under **ICON Descriptions**.
    If the integrator does not immediately connect to the internet,
    change the DNS ip address from 8.8.8.8 to whatever is used by the router.

8. Login to Website

The preferred web browser is Google Chrome. Navigate to the following address:
https://plantconnect.beltwayscales.com
Enter your username and password and click **Login** and Refer to the
Plant Connect Website Quick Start Guide for more information about Plant Connect features.
Contact Belt-way if you have other questions.