

PRESENTED BY



**AN ISO 17025
ACCREDITED COMPANY**

DALLAS FT WORTH AUSTIN HOUSTON

NICOLSCALES.COM

800.225.8181

[CONTACT US](#)

NICOL SCALES & MEASUREMENT IS AN ISO ACCREDITED CALIBRATION
COMPANY THAT HAS PROVIDED CALIBRATION, REPAIR AND SALES OF ALL TYPES
OF WEIGHING AND MEASUREMENT PRODUCTS SINCE 1931.



SDL #: 6975

DATE: July 19, 2012

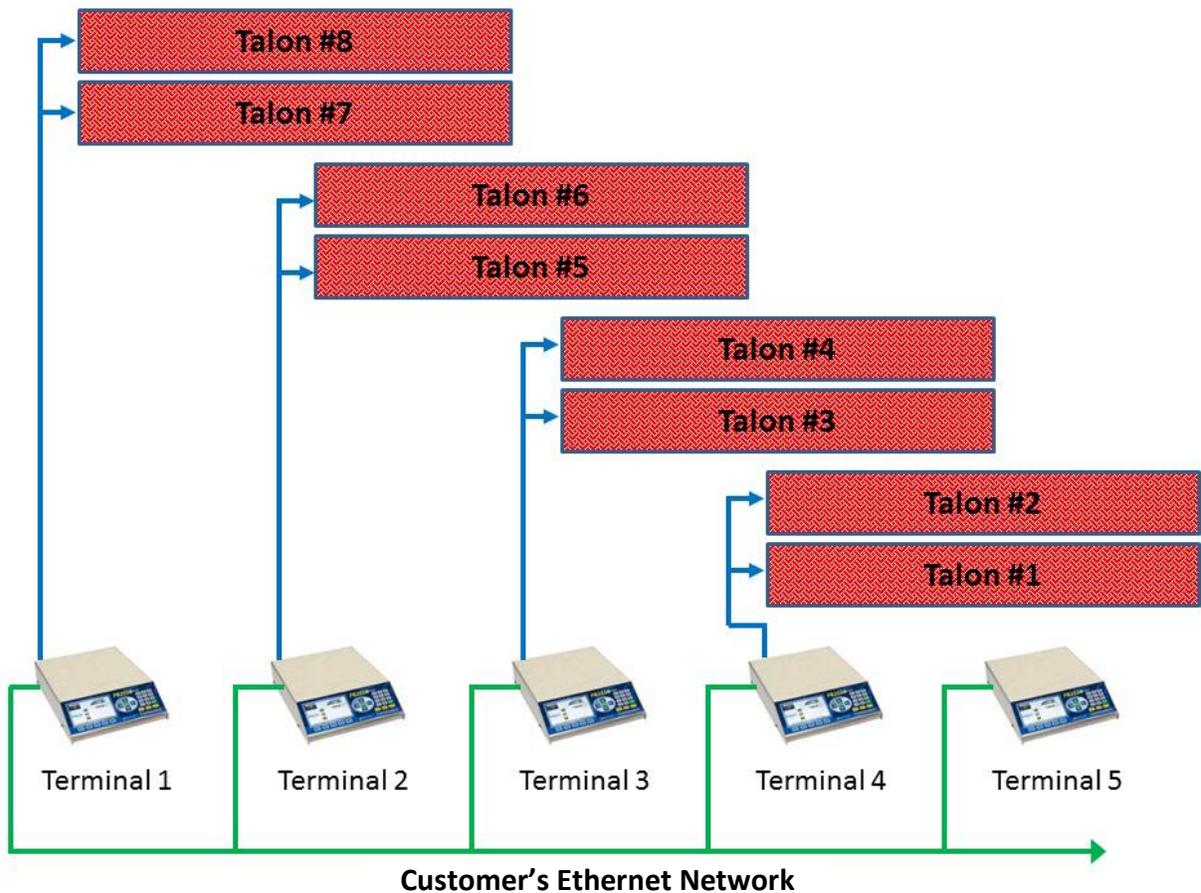
TO: Administrators /Cust. Support Ctrs. Area Sales Managers Area Service Managers Authorized Canadian Distributors Authorized Domestic Distributors	Customer Service Engineering Export Management International Distributors Marketing	Manufacturing Mgmt. Regional Managers Solutions Group Technical Support Technicians
--	---	---

FROM: Derrick Mashaney, Director Product Development, Kansas City

SUBJ: FB2550 Networking Functions

Fairbanks Scales is very pleased to announce the official release of the Networking function for the FB2550. We are certain you will find these features a benefit to your customers.

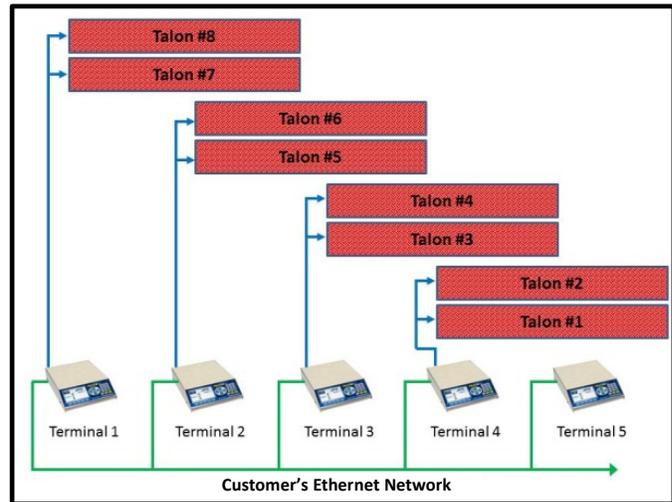
Please review the following pages for specifics about these new features.



If you have any questions, concerns, or comments feel free to give me a call at 816-448-4249 or by e-mail to dmashaney@fairbanks.com

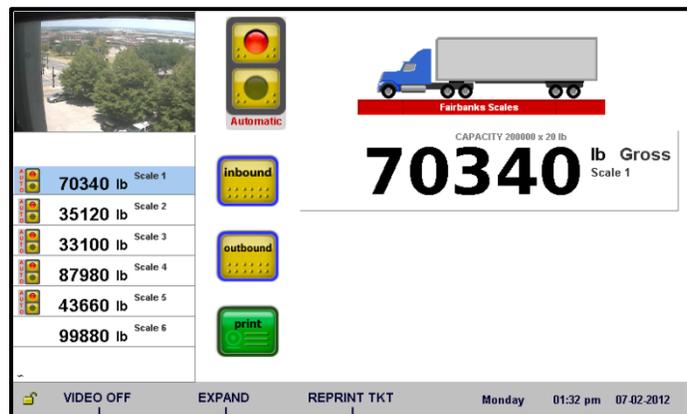
What is meant by “Networked FB2550s”?

Networking functions allow vehicles to weigh Inbound on one FB2550 scale system and weigh Outbound on a different FB2550 scale system. The Networking functions allow up to five (5) FB2550s controlling a maximum of eight (8) scale platforms to share data and traffic light controls. Transaction data is shared between each Networked FB2550. As a weightment is made on any of the Networked FB2550s the transaction information is replicated to the other FB2550s on the Network. Using the example to the right, a vehicle can weigh in on Terminal 1 and out on Terminal 4.



The new Networking functions are available in all FB2550s with software rev **4.0** or higher.

FB2550s on the network that are not physically connected to any platform can still “see” and operate another scale on the FB2550 network. In the example above, FB2550 Terminal 5 is not physically connected to any scale platform, but Terminal 5 can still show and operate (process transactions) on any of the scales on the network.

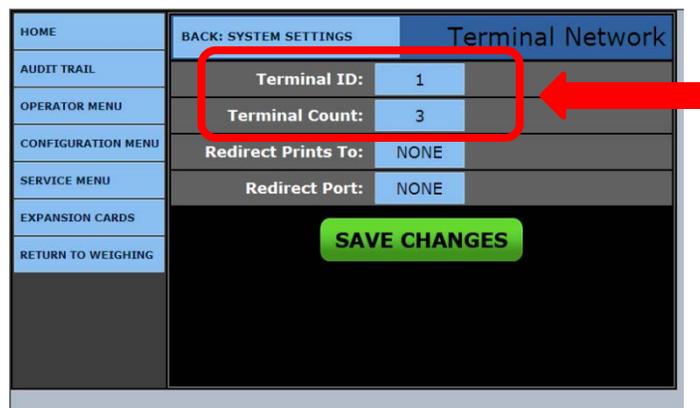


All FB2550s with rev **4.0** or higher software now have these functions as standard features.. There is nothing special or additional to order to have these functions, it is just configuration.

How do the Networking functions of the FB2550 work?

Each FB2550 must be connected to the same ethernet (802.3) network. The ethernet network is how the FB2550s will communicate. Each FB2550 is given a specific name:

- TERMINAL1
- TERMINAL2
- TERMINAL3
- TERMINAL4
- TERMINAL5



As each Inbound transaction is created, it is copied to the other FB2550s on the same network. This new Inbound transaction record is now ready to be used by any FB2550 on the network to complete the Outbound transaction. Data between the FB2550s is shared using the ethernet (802.3) network. Each scale platform on the FB2550 network must be identified at each of the FB2550 Terminals.

Traffic light control for each FB2550 is configured locally at the appropriate FB2550, but it is also part of the shared control between the FB2550s. A transaction processed at a remote FB2550 Terminal will still properly control the traffic lights at the local FB2550 Terminal.

Can I Network FB2550s using RS232 cable or phone modems?

No, the FB2550s must be networked using ethernet (802.3).

What if my customer does not have an ethernet network?

If no network exists, you can create a mini-network using an ethernet mini-switch such as our item 26220 and ethernet cable. While this will not provide access to the outside world, you can establish a network that will allow the FB2550 instruments to communicate. Do not forget, ethernet cable has a distance limitation of 100 meters (~328 feet) so be sure to factor this in!



26220

What software do I need to order to get the Networking functions of the FB2550?

The Networking function is now in all FB2550s with rev 4.0 and higher software. If you need the Networking functions, you must configure the FB2550 for Networking. Otherwise it will operate as a stand-alone FB2550.

Upgrades to existing installed FB2550s are possible, but vary slightly based on the age of the installed FB2550. If you have an existing installation you need to upgrade, please contact Technical Product Support or me for details.

Why would a customer want to Network FB2550s?

There are numerous reasons why networking instruments together is beneficial to the customer.

Application example 1: Customers who have dedicated Inbound / Outbound scales can weigh in on one scale at a location on one side of the plant and weigh out on a different scale at a different location on the other side of the same plant, reducing traffic through the plant.

Application example 2: Customers who have the need to process transactions on the same scale from two locations; such as the scale house and a guard house. During the day the transactions are processed at the scale house but transactions after normal business hours are processed at the guard house.

Application example 3: A Supervisor station can be set up to monitor and report on any scale on the network. From a single central location, the supervisor can view the scale weights, download transaction data and generate reports.

NOTE: Some states require that networked scale platforms be tested together as one large platform (system) sharing a single tolerance.

Example:

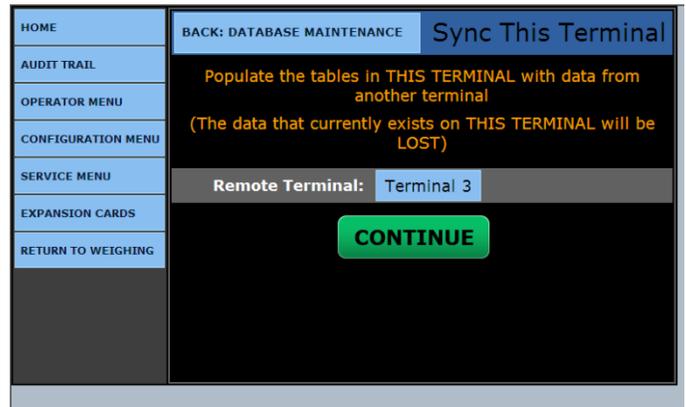
- FB2550, Terminal1, Scale platform 1 = 70' x 10' Talon HV SD (4 section)
- FB2550, Terminal2, Scale platform 2 = 70' x 10' Talon HV SD (4 section)

Scales must be tested as one eight (8) section platform.

Check with your local Weights and Measures Department.

What type of data is shared between instruments?

Networked FB2550s share all transaction data. An Inbound transaction processed on Terminal1 is automatically available for use at all other terminals on the network. Stored Product IDs, Customer IDs and Stored Tares can also be shared. Simply go to any FB2550 Terminal on the network and select the command to update that Terminal with the data from another Terminal on the network you select.



Can I print from one FB2550 to another FB2550?

Each instrument has the capability to redirect the ticket printing functions to a specific printer on a specific Terminal on the network.

Example: Redirect from Terminal 1 to Terminal 3, Com 2. This allows for a ticket to be remotely produced at another Terminal. This is a global setting. In this example, once enabled, all tickets from Terminal 1 will print to Terminal 3 and Com port 2. Other Terminals on the network will be unaffected.

