

Installation and User Manual

Communicator 2.0 Plus



Communicator 2.0 Plus Communication System

P/N: 116932



Communicator 2.0 Plus

Installation and User Manual

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This manual for use and maintenance is an integral part of the apparatus together with the attached technical documentation.

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1 Introduction

1.1 Disclaimer

Munters reserves the right to make alterations to specifications, quantities, dimensions etc. for production or other reasons, subsequent to publication. The information contained herein has been prepared by qualified experts within Munters. While we believe the information is accurate and complete, we make no warranty or representation for any particular purposes. The information is offered in good faith and with the understanding that any use of the units or accessories in breach of the directions and warnings in this document is at the sole discretion and risk of the user.

1.2 Introduction

Congratulations on your excellent choice of purchasing a Communicator 2.0 Plus!

In order to realize the full benefit from this product it is important that it is installed, commissioned and operated correctly. Before installation or using the unit, this manual should be studied carefully. It is also recommended that it is kept safely for future reference. The manual is intended as a reference for installation, commissioning and day-to-day operation of Munters equipment.

1.3 Notes

Date of release: October 2018

Munters cannot guarantee to inform users about the changes or to distribute new manuals to them.

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2 Introduction to the Communicator 2.0 Plus

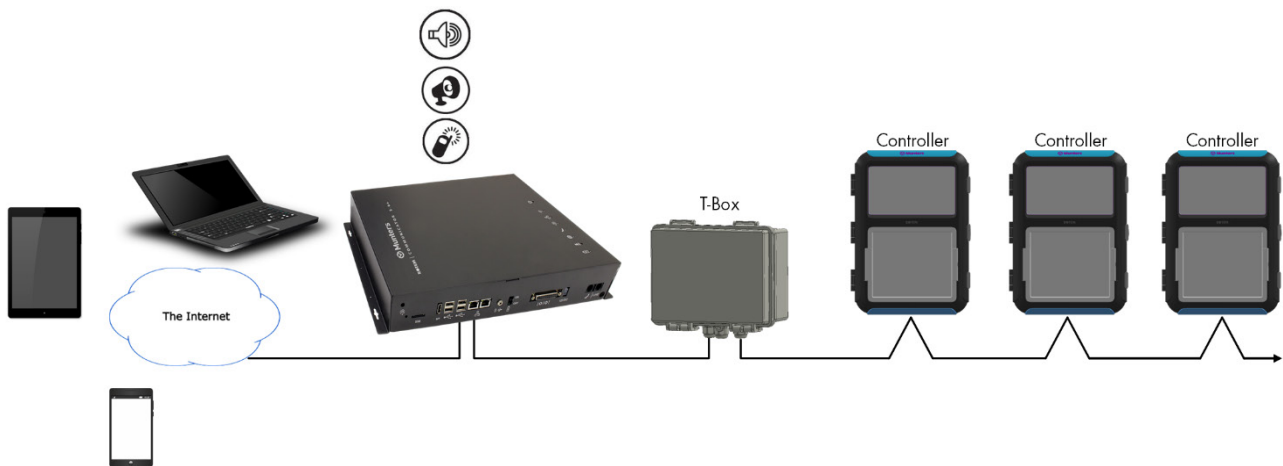


Figure 1: Block Diagram

Communicator 2.0 Plus provides complete access to your Munters controllers, including monitoring and control capabilities, from any device, anywhere, along with alarms and events sent directly to your mobile device, PC, or tablet. From one computer, tablet, or smartphone, you can manage an entire network.

- Web and Cloud-based access to controllers
 - Multiple, simultaneous users have network access
- Multiple communication pathways:
 - Built-in internet and telephone connectivity
 - Cellular modem enables wireless communication
- Plug ins:
 - Cell modem according to the user's region (3G Worldwide, 4G US, 4G Worldwide)
 - Line modem

NOTE: Voice functions require a line modem.

- Supports Munters' Web Application and Smart Phone Application
- Push notifications
- Access rights management
- Programmable alarms
 - Text messages sent in a variety of languages
 - Alarms and data in real time
- Test functions ensure the Communicator 2.0 Plus works as required

3 Hardware Installation

This document details how to install Munters' Communicator 2.0 Plus unit. Installation can include the following:

- Precautions
- Communicator 2.0 Plus Ports
- Interior
- Mounting the Communicator 2.0 Plus
- Grounding
- Connecting the Communicator 2.0 Plus to the Internet
- Connecting the Communicator 2.0 Plus to a Phone Line
- Attaching the Antenna
- Connecting the Communicator 2.0 Plus to a Peripheral Device
- Connecting the Communicator 2.0 Plus to a Controller or RLINK One
- Enabling SMS Messages
- Testing the Battery
- Product Symbols

NOTE: After installing the unit, check the LEDs (page 74) to make sure that everything is working as required.

3.1 Precautions

Observe the following precautions when using your unit.

- Keep the Communicator 2.0 Plus as far as possible from heavy contactor boxes and other sources of electrical interference.
- Do not connect communication wire shields, which go from one house to another at both ends. Connect them at one end only. Connection at both ends can cause ground loop currents to flow, which reduces reliability.
- The COM connection for communications is not the shield wire. The COM, RX and TX wires must connect to each other at all controllers.

3.2 Communicator 2.0 Plus Ports

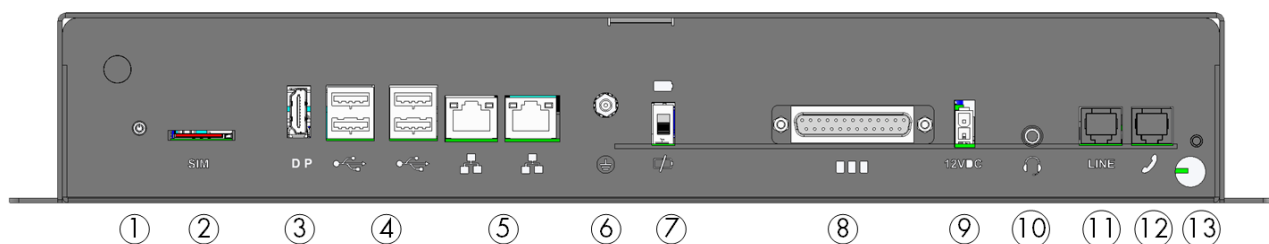


Figure 2: External Ports

Table 1: Ports Description

Number	Description	Number	Description
1	Antenna mounting port (refer to Attaching the Antenna, page 12)	8	25-pin connector (External box) (refer to Connecting the Communicator 2.0 Plus to a Controller or RLINK One, page 14)
2	SIM card (internal cell modem) (refer to Enabling SMS Messages, page 19)	9	12 VDC
3	DP port (computer screen) (refer to Connecting the Communicator 2.0 Plus to a Peripheral Device, page 13)	10	Audio out (external speaker)
4	USB ports (mouse, KBD) (refer to Connecting the Communicator 2.0 Plus to a Peripheral Device, page 13)	11	Internet line port (refer to Connecting the Communicator 2.0 Plus to the Internet, page 12)
5	LAN ports	12	Phone line port (refer to Connecting the Communicator 2.0 Plus to a Phone Line, 12)
6	Grounding (refer to Grounding, page 11)	13	Power cord
7	Battery disconnection switch		

3.3 Interior

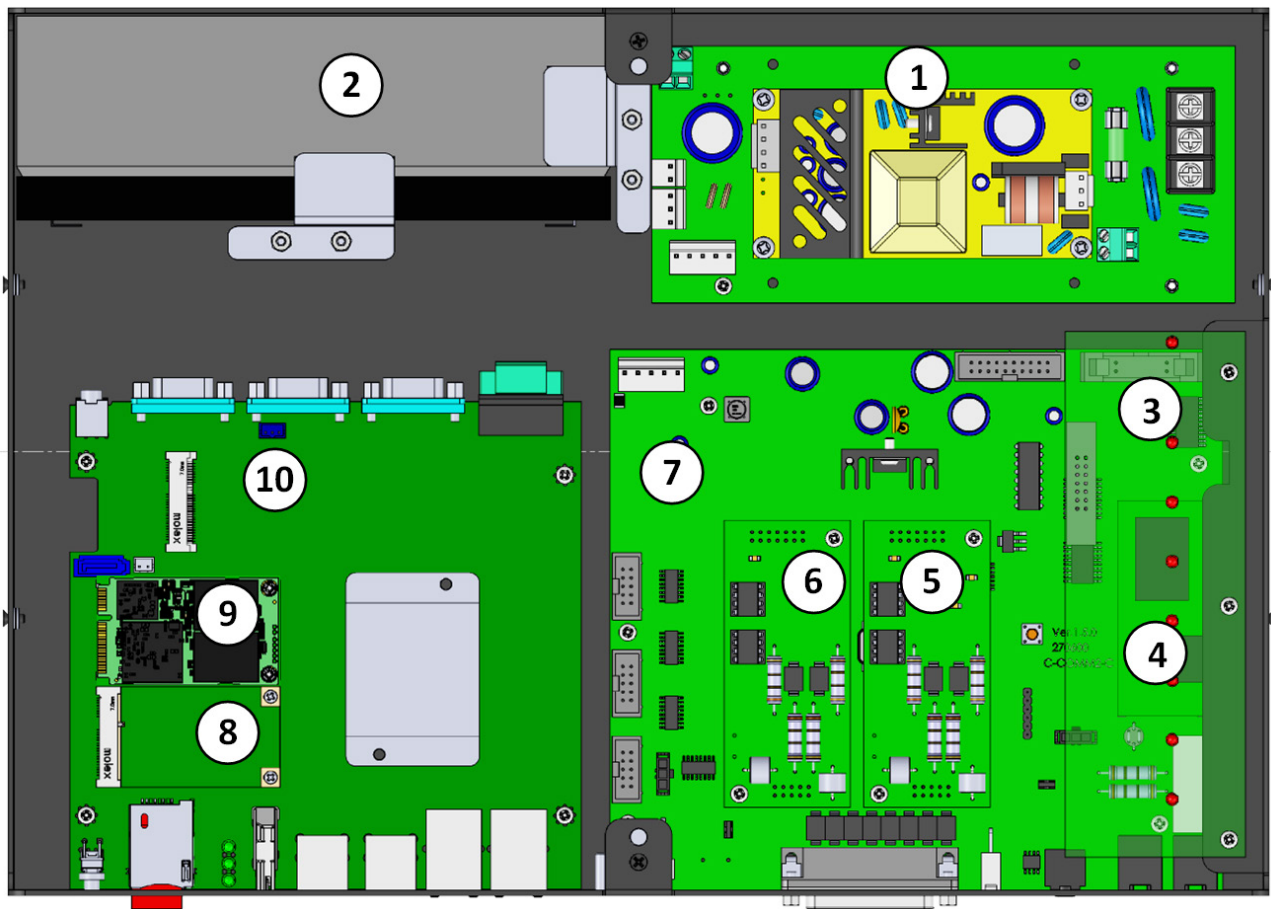


Figure 3: Communicator 2.0 Plus Components

NOTE: If required, legacy Communicator 2.0 boards can be replaced with the Communicator 2.0 Plus boards.

Table 2: Component Description

Number	Description	Notes
1	Power Supply	
2	Battery (refer to Appendix A: Changing the Battery, page 80)	
3	LED Board	
4	Line Modem Card	This card is under the LED board
5	Not used	
6.1	Communication Card, RS485	OR
6.2	Communication Card, RS232	
7	Board	
8	Cell Modem	
9	SSD Card	
10	Main CPU	

3.4 Mounting the Communicator 2.0 Plus

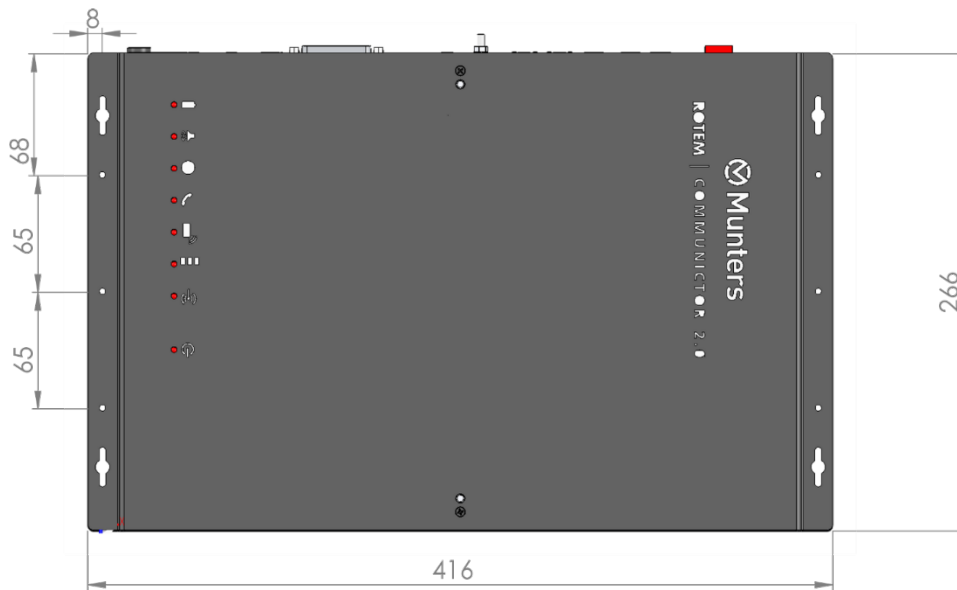


Figure 4: Dimensions (mm)

- Mount the unit using the four supplied screws.



Figure 5: Mounting

3.5 Grounding

- Connect the ground cable to the dedicated ground terminal.



CAUTION

The Communicator 2.0 Plus must be grounded at all times!

Figure 6: Grounding Schematic

3.6 Connecting the Communicator 2.0 Plus to the Internet

- Connect the Communicator 2.0 Plus to your Internet connection.



Figure 7: Internet Connection

3.7 Connecting the Communicator 2.0 Plus to a Phone Line



Figure 8: Phone Line Connection

NOTE: The telephone line-modem output connection wiring must provide double insulation. Use minimum 26 AWG wiring or larger for telephone line connection.

3.8 Attaching the Antenna



If the Communicator 2.0 Plus comes with a cell modem, attach the antenna.

Figure 9: Antenna Attachment

3.9 Connecting the Communicator 2.0 Plus to a Peripheral Device

Connect a screen (via the DP port) and keyboard/mouse to the Communicator 2.0 Plus (via the four USB ports). You'll need to connect the Communicator 2.0 Plus to these devices for the Activation.

- Communicator 2.0 Plus does not feature an HDMI port.
 - If your screen features a DP port, use a standard DP cable to connect the devices.
 - If your screen features an HDMI port only, use an ACTIVE DisplayPort to HDMI Adapter to connect the Communicator 2.0 Plus to the screen (Figure 10).

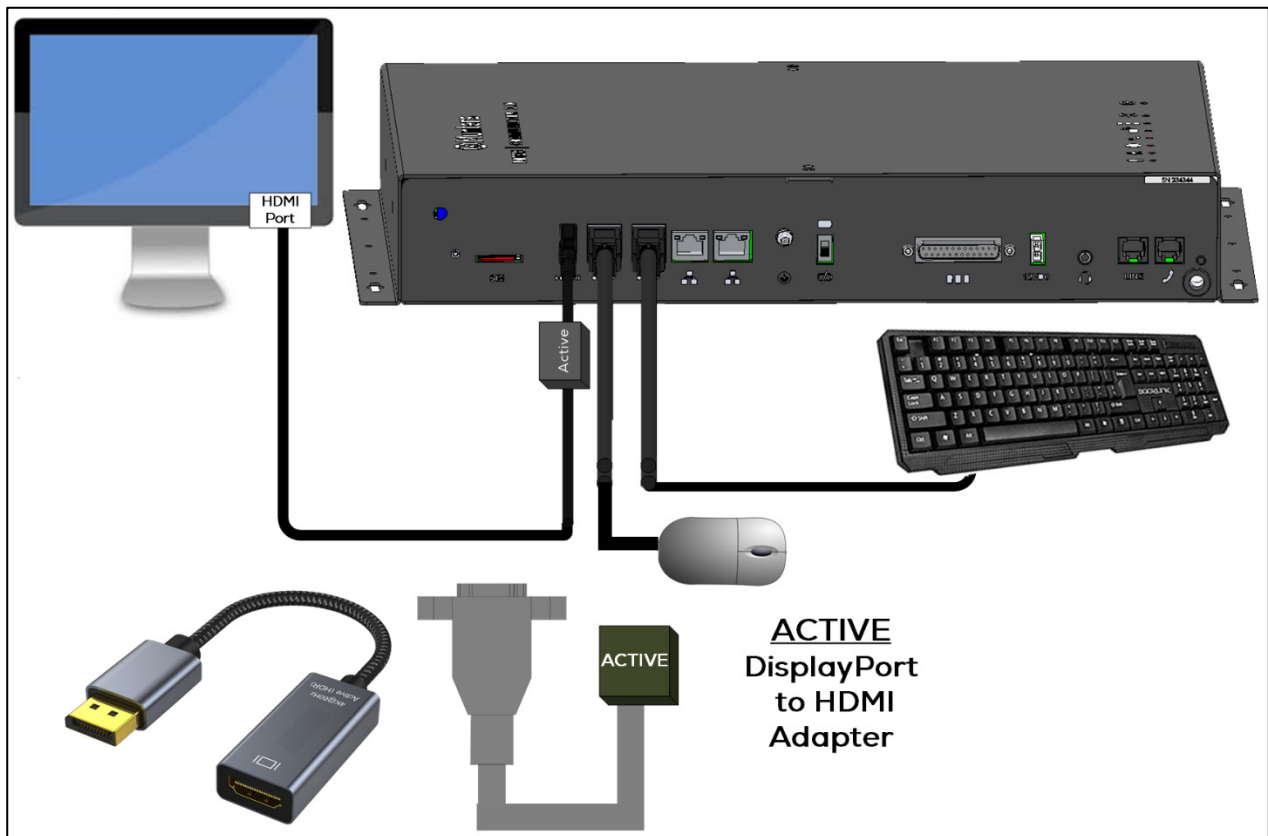


Figure 10: Connection to Peripherals (HDMI to DP port)

NOTE: When you activate the Communicator 2.0 Plus, it is possible that the activation screen will appear in part of the computer screen only. If that happens, restart the Communicator 2.0 Plus.

3.10 Connecting the Communicator 2.0 Plus to a Controller or RLINK One

The only step in installing a Communicator 2.0 Plus that requires wiring is connecting the Communicator 2.0 Plus to the controllers or to the RLINK One RF Communication Unit.

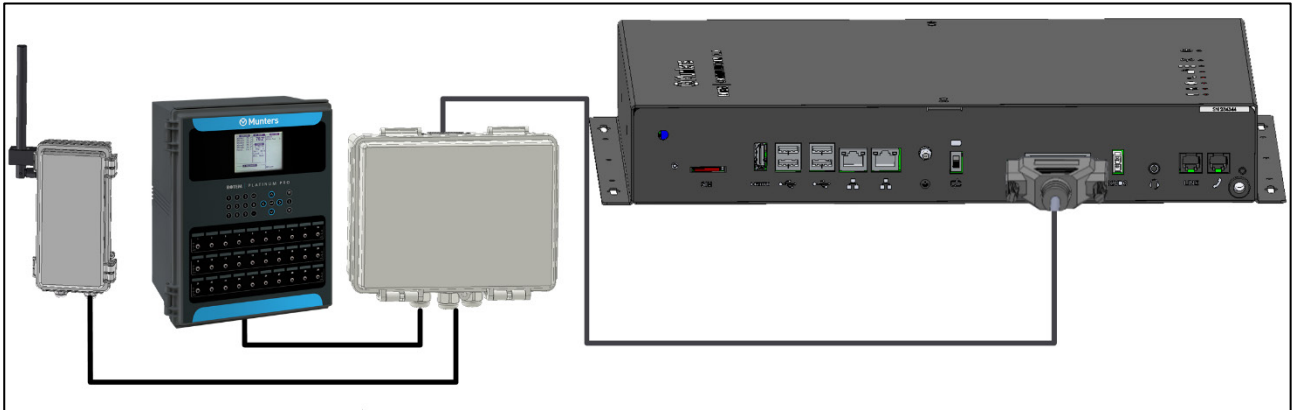


Figure 11: Communicator 2.0 Plus – Junction Box – Controller Block Diagram

- Plug the 25-pin connector into Communicator External Box cable.

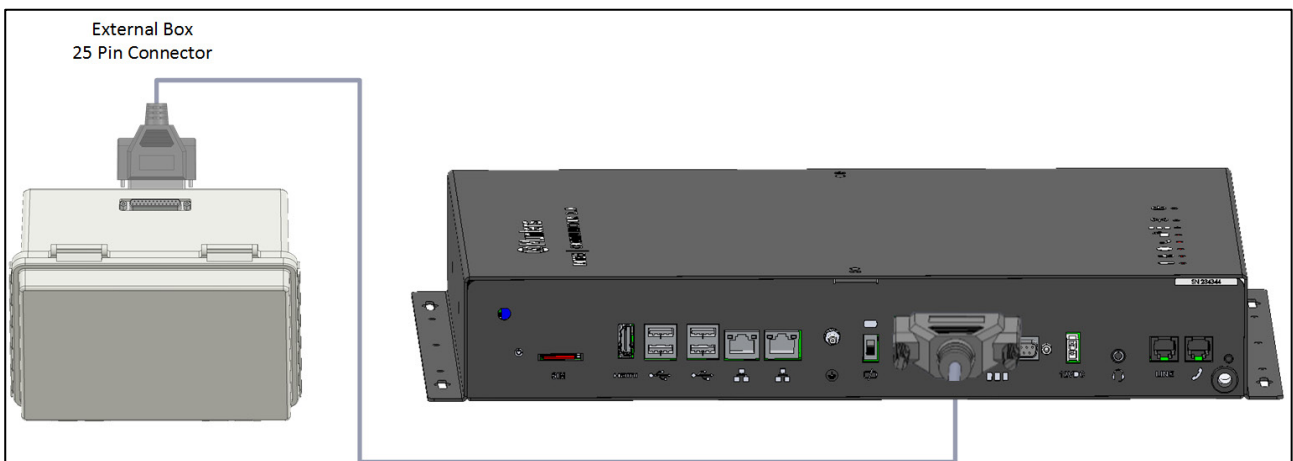


Figure 12: External Box – Communicator 2.0 Plus Cable

- Controller
- RLINK One Connection
- Wiring Topology
- Termination
- Connecting the T-Box to External Devices

CAUTION You can connect an RLINK One and a controller to the same Junction Box, using the same ports shown in the following diagram. Do not wire the Junction Box or controller to the Junction Box's upper communication ports.

3.10.1 CONTROLLER TO JUNCTION BOX WIRING

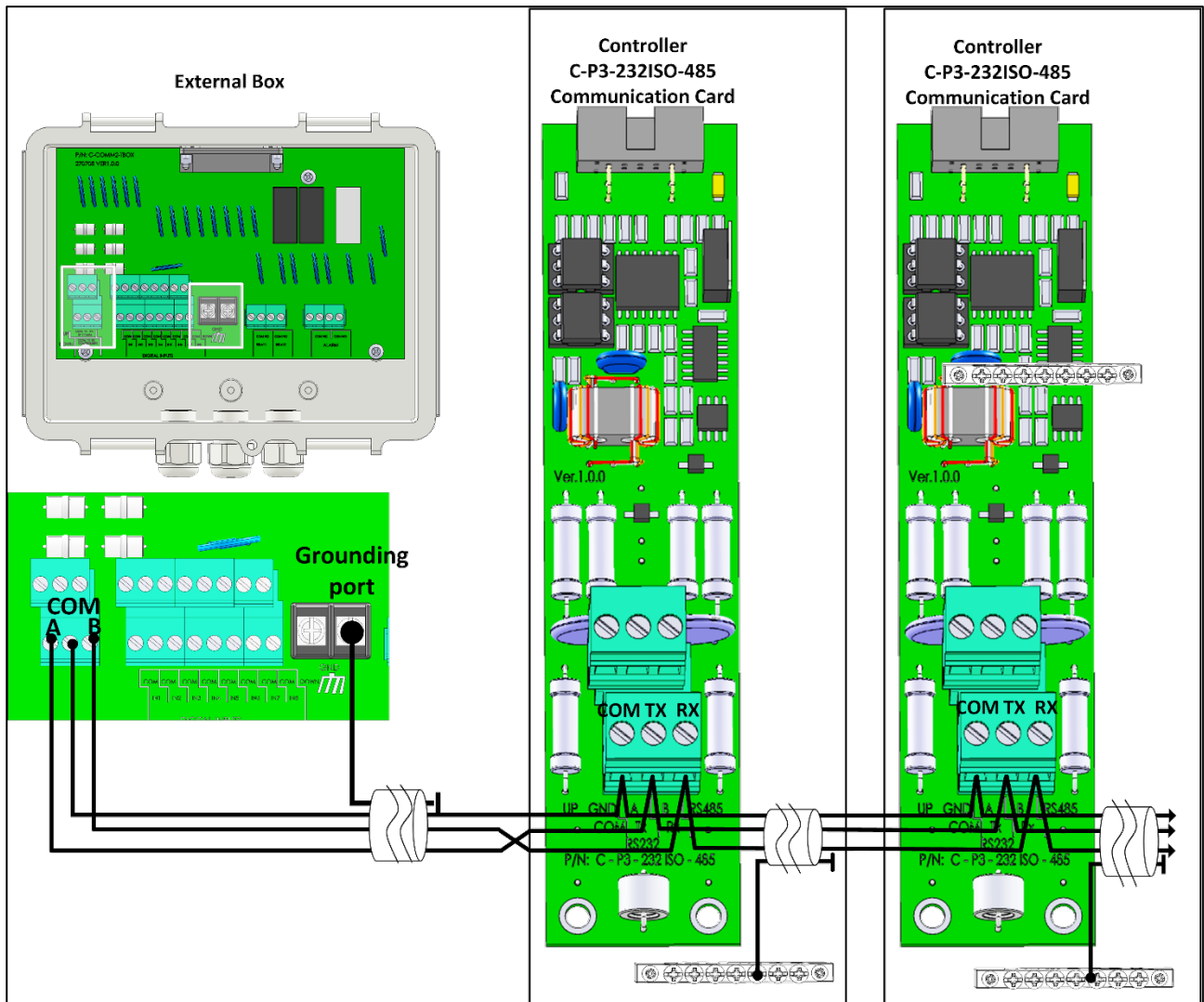


Figure 13: External Box – Controller Isolated RS-232 Connection

- Connect the wiring as follows:
 - COM to COM
 - The Communicator 2.0 Plus TX port is connected to Controller's RX port.
 - The Communicator 2.0 Plus RX port is connected to Controller's TX port.
- The cable between the Communicator 2.0 Plus and the controller should be a 3 Wire Shielded Cable (22 AWG minimum).
- Connect the cable shield wire to the controller ground strip.

CAUTION Connect one end of the cable's shield only (the other end must be open). Each controller should be chain connected to the same wire, resulting in a long ground cable without ground loop.

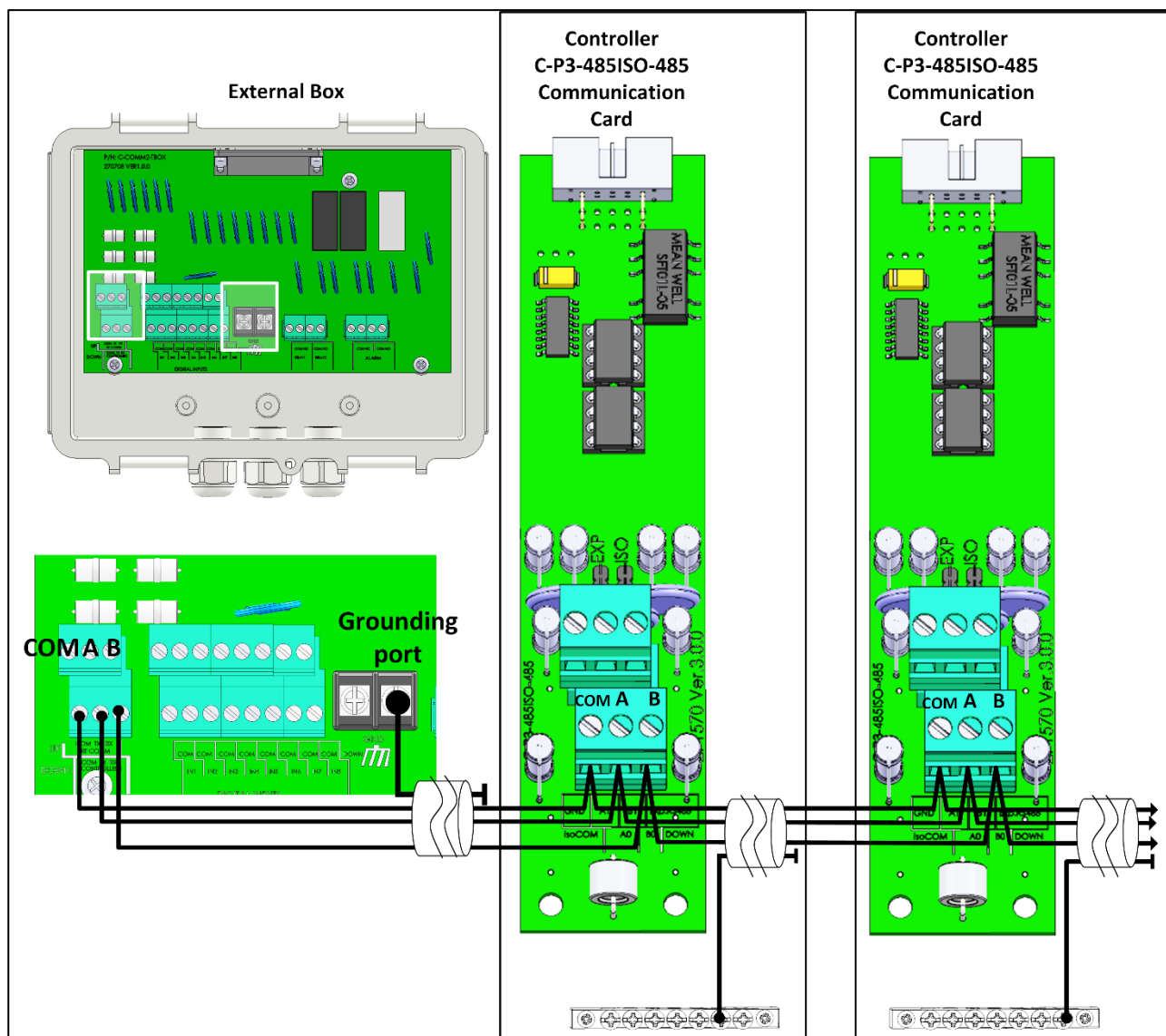


Figure 14: External Box – Controller RS-485 Connection

- The cable between the external connection box and the controllers should be a 3-wire twisted shielded cable (22 or 24 AWG).
- Connect the wiring as follows:
 - COM to COM
 - Communicator 2.0 Plus A port is connected to Controller's A port.
 - The Communicator 2.0 Plus B port is connected to Controller's B port.
- The final controller in any chain or branch may require a 120-ohm terminator. Refer to Termination, page 19.
- Connect the cable shield wire to the controller ground strip.

CAUTION Connect one end of the cable's shield only (the other end must be open).. Each controller should be chain connected to the same wire, resulting in a long ground cable without ground loop.

3.10.2 RLINK ONE CONNECTION

- Wire the Communicator External Box to the RLINK One as shown in the following diagram.

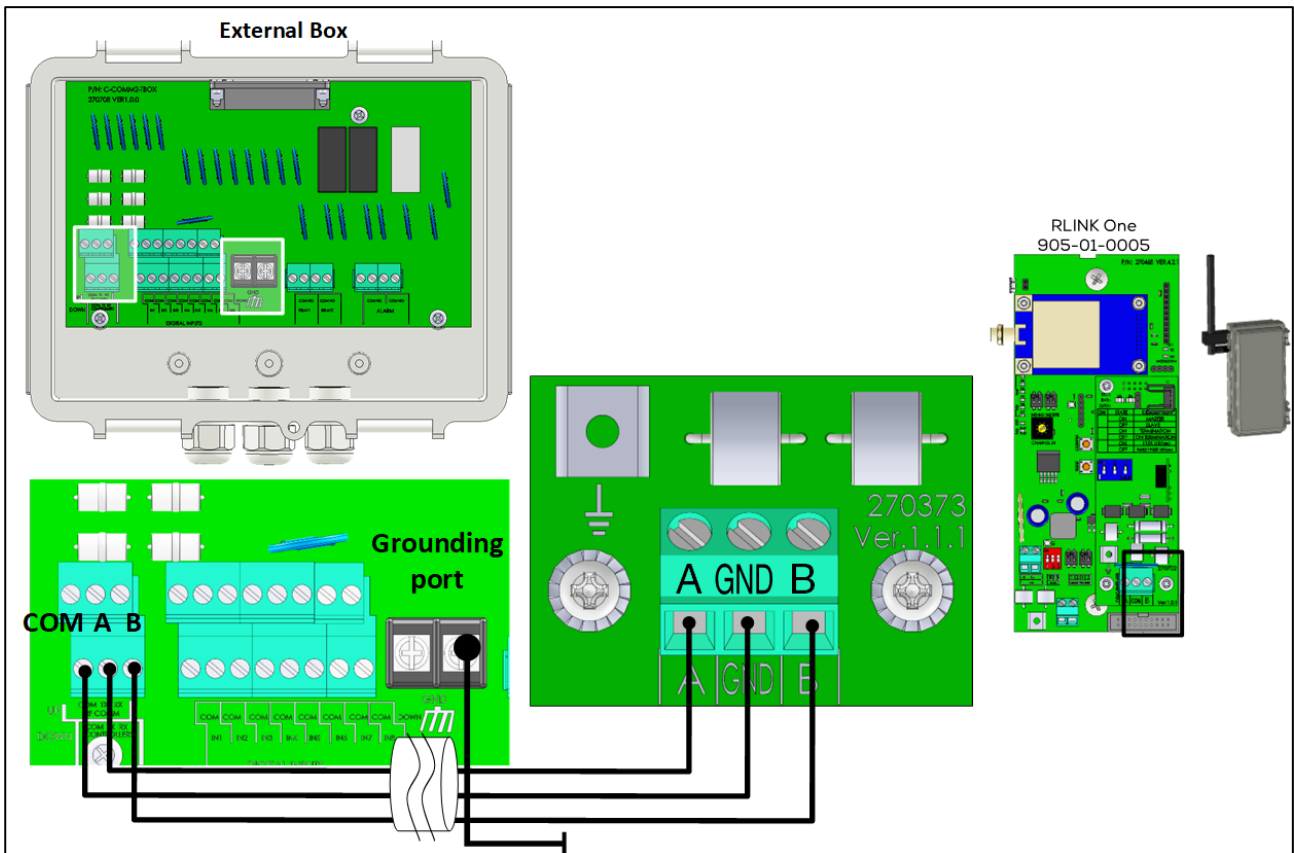


Figure 15: External Box – RLINK One Isolated RS-485 Connection

NOTE: RLINK One supports RS-485 infrastructure only.

- The cable between the external connection box and the controllers should be a 3-wire twisted shielded cable (22 or 24 AWG).
- Connect the wiring as follows:
 - COM to COM
 - Communicator 2.0 Plus A port is connected to Controller's A port.
 - The Communicator 2.0 Plus B port is connected to Controller's B port.
- The final controller in any chain or branch requires a 120-ohm terminator. Refer to Termination, page 22.
- Connect the cable shield wire to the controller ground strip.

3.10.3 WIRING TOPOLOGY

When connecting the Communicator 2.0 Plus to controllers via an RS-485 infrastructure, use one of the following allowed topologies to ensure signal integrity.

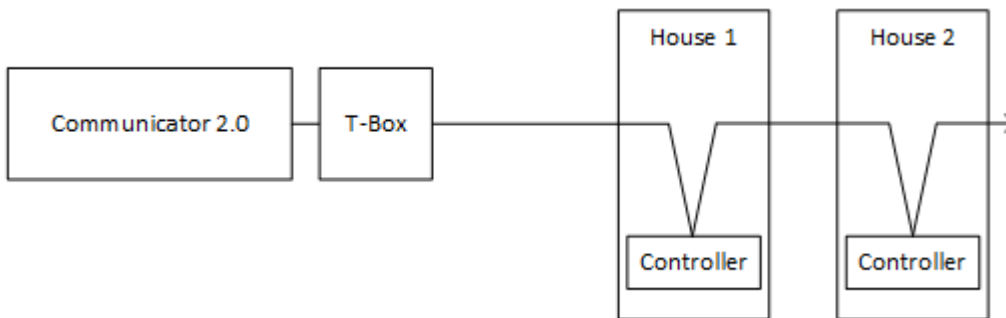


Figure 16: Direct connections

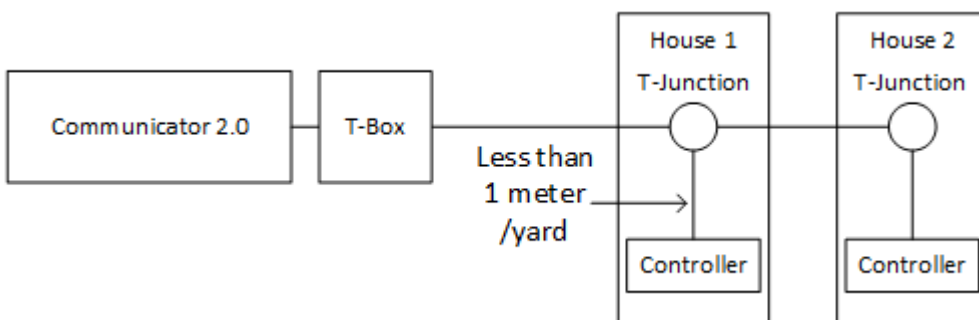


Figure 17: T-Junction (permitted)

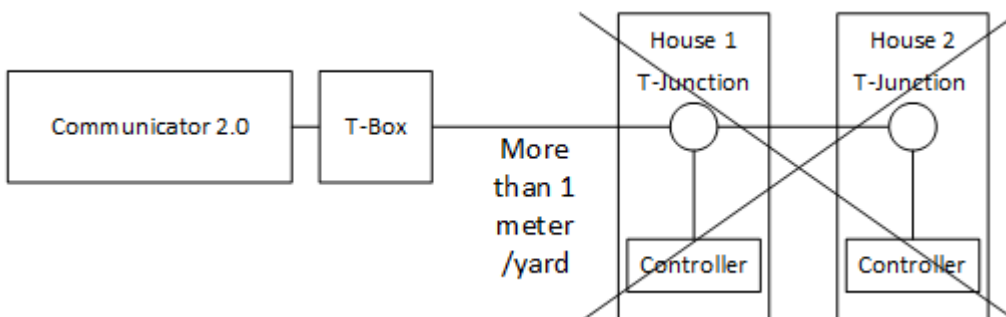


Figure 18: T-Junction (not permitted)

NOTE: When using RS-232, there is no restriction on the distance between the T-Junction and the controller.

3.10.4 TERMINATION

Termination, installing 120 ohm termination resistors at the beginning and end units of each chain of Communicator 2.0 Plus and controllers, ensures reliable communication in RS-485 infrastructures. The following illustrations show where to install the resistors. Depending on the topology, install the resistors in the T-box, the terminal controller, or the Munters Repeater.

Termination is recommended when the distance between the Junction Box and the final controller is more than 50 meters/165 feet. Munters Junction Box is supplied with a jumper and a 120 ohm resistor that can be installed in those installations (the jumper is placed in the Junction Box (see Figure 24, page 21), the resistor is installed in the controller).

Termination may not be required in shorter installations.

- Termination Topologies
- Termination Wiring

3.10.4.1 Termination Topologies

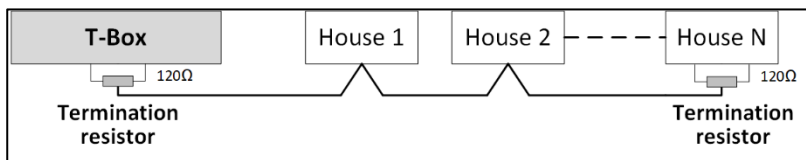


Figure 19: Topology 1: Communicator 2.0 Plus/House Termination

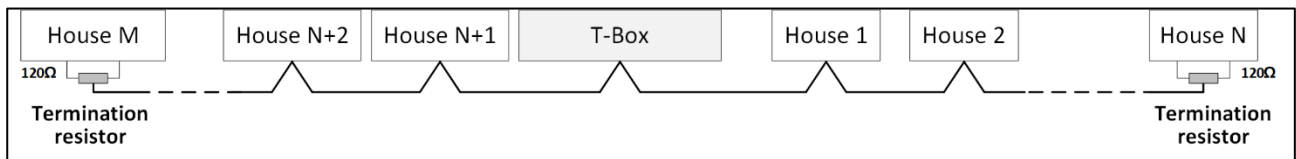


Figure 20: Topology 2: House Termination

The following two topologies require Munters RS-485 Repeaters.

CAUTION Install the repeater within one meter of the Communicator 2.0 Plus T-Box

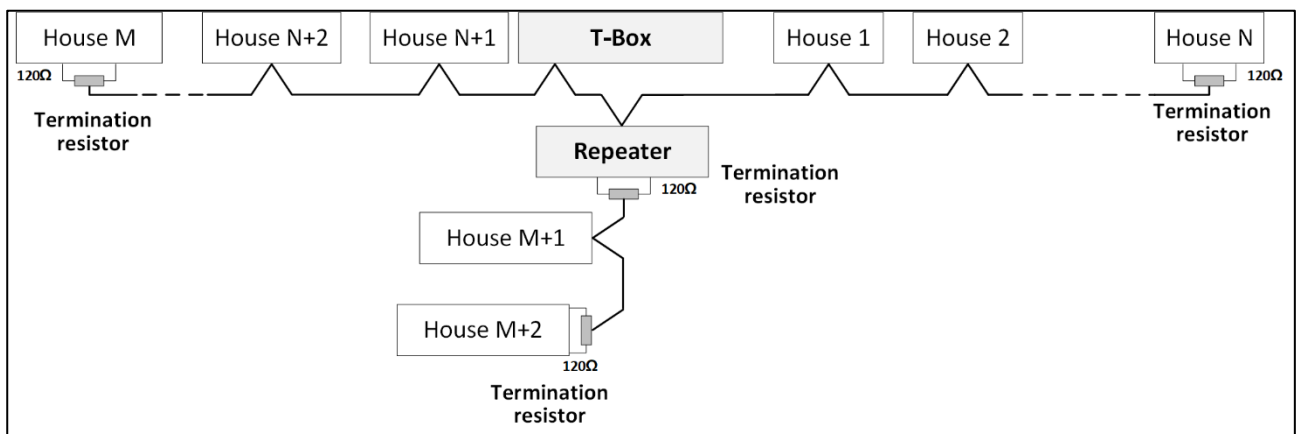


Figure 21: House and Repeater Termination

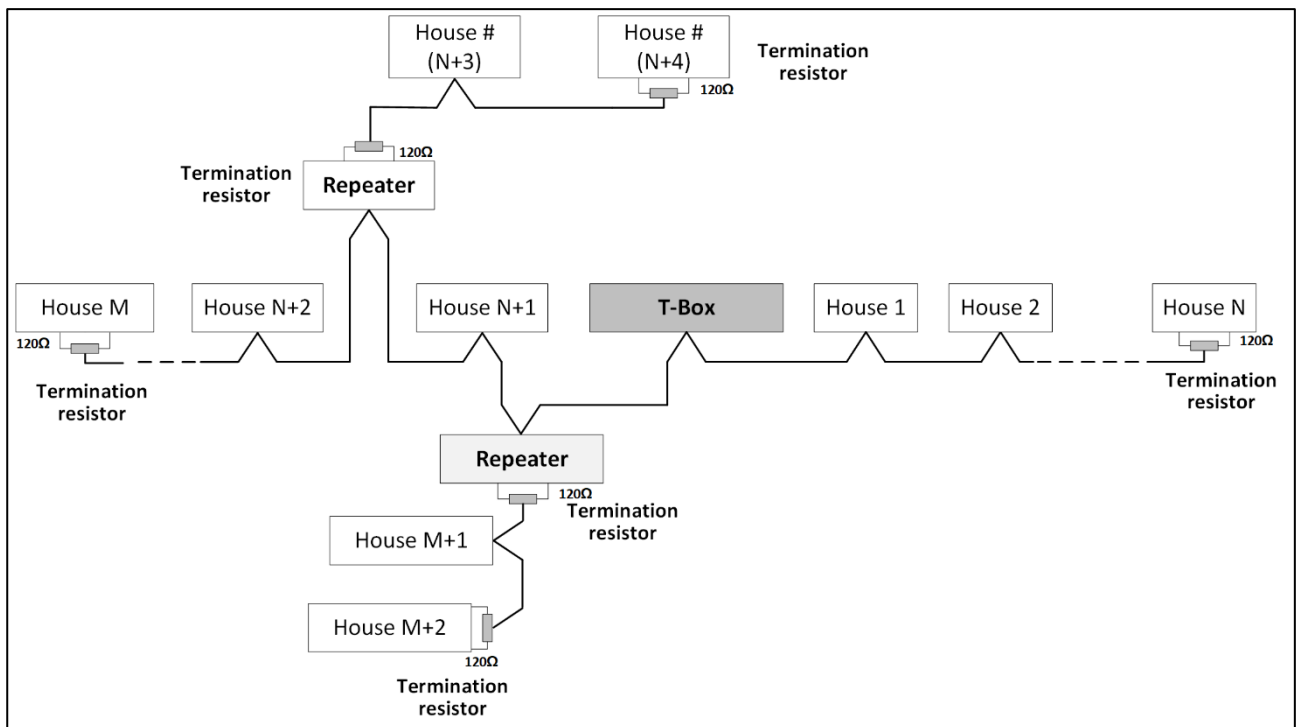


Figure 22: House and Multiple Repeaters Termination

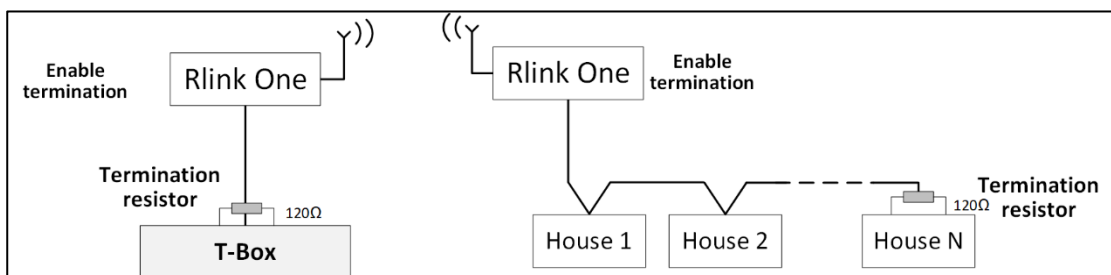


Figure 23: RLink One and House Termination

NOTE: When using an RLINK One Wireless Communication unit, refer to the RLINK One Manual, which provides detailed information on RLINK termination.

3.10.4.2 Termination Wiring

- Communicator 2.0 Plus: Install the termination resistor in the T-Box.

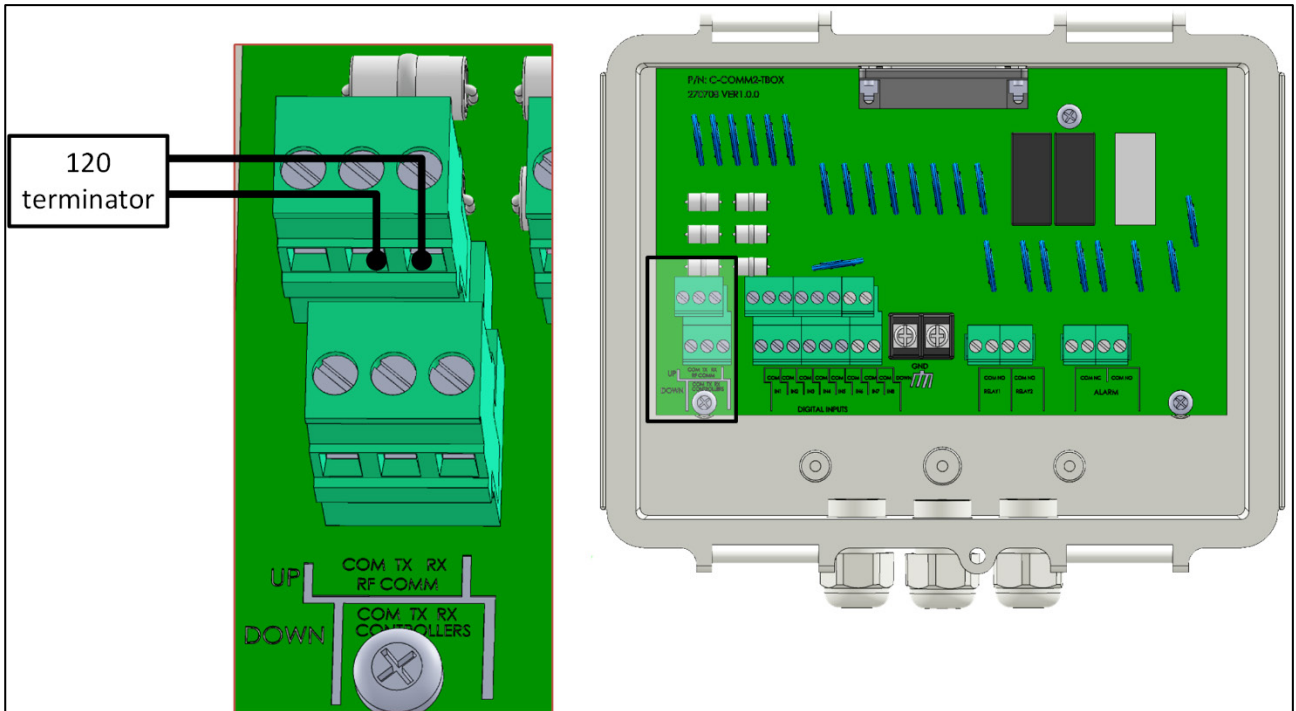


Figure 24: T-Box Termination

- Repeaters: Move the S2 dipswitch on the Output card to ON.

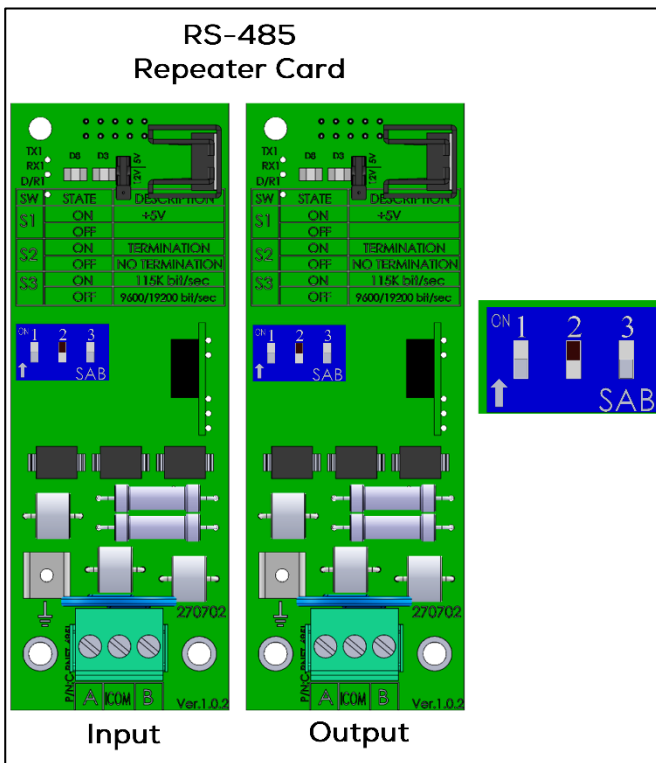


Figure 25: Repeater Termination

3.10.5 CONNECTING THE T-BOX TO EXTERNAL DEVICES

If required, connect the T-Box to external devices and an ELS system (Figure 27).

1. Plug the 25-pin connector into the T-Box.



Figure 26: T-Box – Communicator 2.0 Plus Connection

2. Wire the devices as shown in Figure 27.

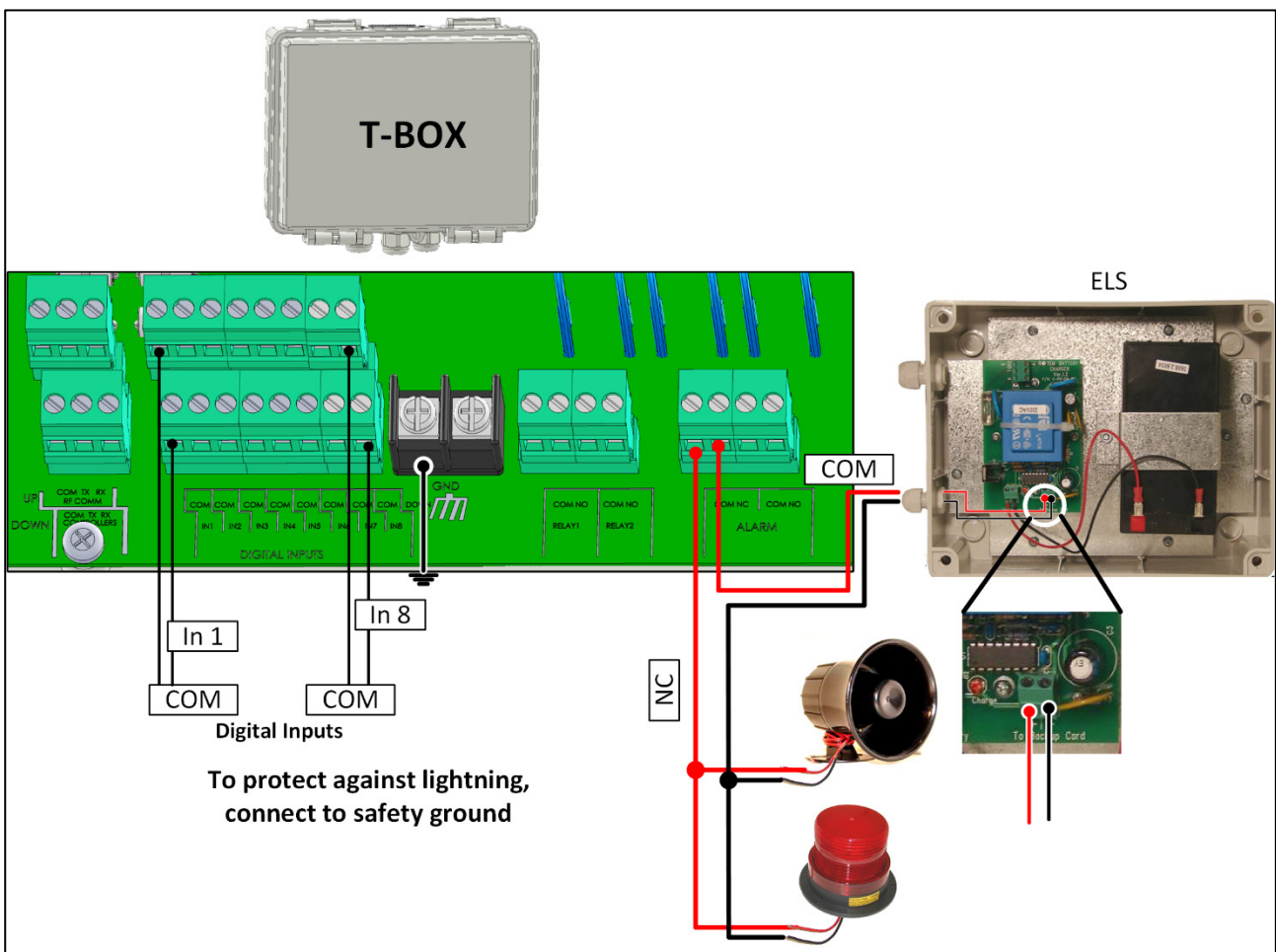


Figure 27: T-Box Wiring Diagram to ELS

3.11 Enabling SMS Messages

- Sending SMS messages requires a Communicator 2.0 Plus having an internal modem (supplied by Munters if ordered). This modem will support your cellular infrastructure and region (4G US, 4G ROW, 3G)
- Insert a 3G or 4G standard SIM card as indicated:



SIM Card

Figure 28: SMS Port

3.12 Testing the Battery

- Testing After Installation
- Periodic Testing

3.12.1 TESTING AFTER INSTALLATION

CAUTION Munters highly recommends testing the battery immediately after completing the installation!

1. Ensure that the battery is charged (Green LED should be on continuously). If the LED blinks, wait.
2. Disconnect the AC power. The power LED turns off.
3. You should receive an alarm according to the contact list settings.
4. After receiving the alarm message, reapply power.

3.12.2 PERIODIC TESTING

The following procedure tests the battery's ability to hold a charge.

CAUTION Munters recommends testing the battery before each flock start.

1. Go to the Home screen > Alarm settings tab. The Power Management specifications display the relevant data.

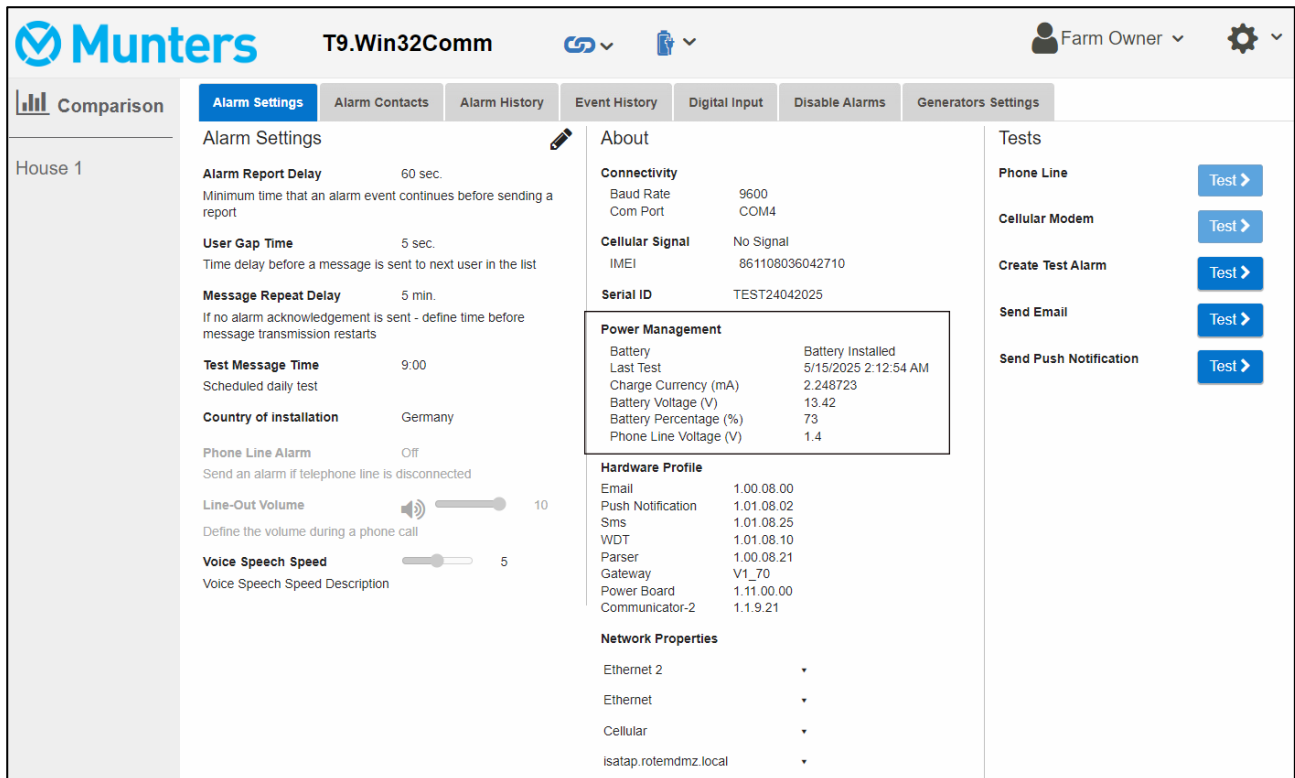


Figure 29: Home Screen – Power Management

2. Disconnect the power. Upon disconnecting the power:

- The Charge Currency drops to zero (0).
- Battery Voltage and Battery Percentage (refer to Figure 30):
 - In fresh batteries, these numbers remain stable over a long period of time.
 - In older batteries, these numbers drop rapidly.

NOTE: While Figure 30 shows an example test that lasts 45 minutes, there is no need to test your unit for that long. A five-minute test is sufficient.

NOTE: The Communicator 2.0 Plus can operate using the battery for an extended period. If the screen goes black immediately, replace the battery.

Fully charged - fresh battery		Fully Charged - 3 years in use battery	
Power Management Battery Battery Installed Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 2.124361 Battery Voltage (V) 14.34 Battery Percentage (%) 100 Phone Line Voltage (V) 44.53		Power Management Battery Battery Installed Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 2.124361 Battery Voltage (V) 13.36 Battery Percentage (%) 71 Phone Line Voltage (V) 1.4	
- Discharge -(Power disconnected) after 5 minutes		- Discharge (Power Disconnected) after 5 minutes	
Power Management Battery Battery Installed Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 0 Battery Voltage (V) 13.16 Battery Percentage (%) 100 Phone Line Voltage (V) 44.53		Power Management Battery Battery Installed Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 0 Battery Voltage (V) 12.31 Battery Percentage (%) 63 Phone Line Voltage (V) 1.4	
- Discharge - after 10 minutes		- Discharge - after 10 minutes	
Power Management Battery Battery Installed Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 0 Battery Voltage (V) 13.13 Battery Percentage (%) 100 Phone Line Voltage (V) 44.53		Power Management Battery Battery Installed Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 0 Battery Voltage (V) 12.28 Battery Percentage (%) 60 Phone Line Voltage (V) 1.4	
- Discharge - 45 minutes		- Discharge - 45 minutes	
Power Management Battery Battery Installed Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 0 Battery Voltage (V) 12.54 Battery Percentage (%) 93 Phone Line Voltage (V) 44.53		Power Management Battery Battery Installed Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 0 Battery Voltage (V) 12.01 Battery Percentage (%) 26 Phone Line Voltage (V) 1.4	

Figure 30: Power Management Specification in Fresh and Old Batteries

3. Reapply power. Upon connecting the power:

- The Charge Currency jumps to 250 mA (approximately).
- Battery Voltage and Battery Percentage (refer to Figure 30):
 - In fresh batteries, these numbers return to their previous levels.
 - In older batteries, the Battery Percentage remains well below 100%

- Start Charging- Charge Currency is Max-256.6 mA	- Start Charging- Charge Currency is Max-256.6 mA
Power Management Battery Battery Charging Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 256.6296 Battery Voltage (V) 13.4 Battery Percentage (%) 73 Phone Line Voltage (V) 44.53	Power Management Battery Battery Charging Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 256.6296 Battery Voltage (V) 12.81 Battery Percentage (%) 46 Phone Line Voltage (V) 1.4
- 30 Minutes Charge	- 30 Minutes Charge
Power Management Battery Battery Charging Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 256.6296 Battery Voltage (V) 13.98 Battery Percentage (%) 99 Phone Line Voltage (V) 44.53	Power Management Battery Battery Charging Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 256.6296 Battery Voltage (V) 13.29 Battery Percentage (%) 68 Phone Line Voltage (V) 0
- 2 Hours of Charge- Charge Currency is 224.4 mA	- 2 Hours of charge- Charge Currency is Max-161.6 mA
Power Management Battery Battery Charging Last Test 4/27/2025 6:06:34 AM Charge Currency (mA) 224.4201 Battery Voltage (V) 14.38 Battery Percentage (%) 100 Phone Line Voltage (V) 44.53	Power Management Battery Battery Charging Last Test 5/7/2025 11:03:12 PM Charge Currency (mA) 161.6798 Battery Voltage (V) 13.54 Battery Percentage (%) 79 Phone Line Voltage (V) 1.4
- Fresh Battery with High capacity - could be charged up to 14.4 Volt	- The Charge currency drop speed is depends to Battery Capacity. This battery is not reached at 14.4 - Max Value of Fresh battery. After few hours could be reach 14.0

Figure 31: Power Management Specification in Fresh and Old Batteries (2)

- Conclusion: Based on the above procedure:
 - The lower the Battery Percentage, the greater the need to replace the battery.
 - If the Battery Voltage drops below 12V, the battery should be replaced.

3.13 Product Symbols

The following labels appear on your controller:



: Caution! Hazardous voltage



: Caution: Refer to the manual







: Main Protective Earthing Terminal

CAUTION IF THE UNIT IS USED IN A MANNER NOT SPECIFIED BY THE MANUFACTURER, THE PROTECTION PROVIDED BY THE EQUIPMENT MAY BE IMPAIRED.

4 Specifications

- Communicator 2.0 Plus
- T-Box

4.1 Communicator 2.0 Plus

Power Supply	
Mains Input Power	100 - 240 VAC, 50/60 Hz
Maximum Power Consumption	1.8A
Main Fuses	
Main Fuse 230/115 VAC	F1: 250 VAC/3 A
Battery Fuse	F2: 1.85 A
Switching Power Supply	F3: 1.1 A
Connection Box Peripherals	
8 Digital Inputs	Dry Contact, 5V / 2 mA
Relays Outputs	
N.C/N.O. (OMI) Blue Small Low Power Relay	5 Amps, 250 VAC
Alarm Output	
N.O and N.C (Double) (OMI) Pilot Duty	5 Amps, 250 VAC
Environmental Specifications	
<ul style="list-style-type: none"> • Indoor use only • Altitude: -400 m to 2000 m • Relative Humidity: 20% - 70% • Main supply voltage fluctuation up to 5% • Overvoltage category II 	
Housing	
Metal Box Dimensions (L x W x H)	416 x 266 x 60 mm
Ambient Climate	
Operating Temperature Range	0° to +35° C / +32° to +95° F
Storage Temperature Range	-10° to +50° C / +14° to +125° F
Certification	
   	

4.2 T-Box

Power Supply	
Junction Box Power Input	24 VDC, 30 mA
CAUTION <i>Unit should be powered by Limited Energy Source per IEC 61010-1 or Limited Power Source per IEC 60950-1 or IEC 62368-1</i>	
Connection Box Peripherals	
8 Digital Inputs	Dry Contact, 5V /2 mAmp
Temperature Range	
Operating Temperature Range	0° to +45° C / 32° to 113° F
Storage Temperature Range	-10° to +70° C / 14° to 158° F
Environmental Specifications	
<ul style="list-style-type: none"> • Indoor use only • Altitude: -400 m to 2000 m • Relative Humidity: 0 – 90% • Main supply voltage fluctuation up to 5% • Overvoltage category: OVCI • Pollution degree: PD2 • Ingress Protection: IP50 	

5 Initial Sign In

- Introduction to Controller Management
- Activating the Account
- Connecting the Communicator 2.0 Plus to RotemNet Web
- Attaching the Farm to a Group

5.1 Introduction to Controller Management

When using the Communicator 2.0 Plus to connect to your farm(s), you must:

- Connect (activate) the Communicator 2.0 Plus to a RotemNet Web account.
- Create a group.
- Define user rights.

A group is the virtual device used to manage your farms. Using the RotemNet Web application, the group manager defines each user's permissions (which farms he can see and what functions he can carry out).

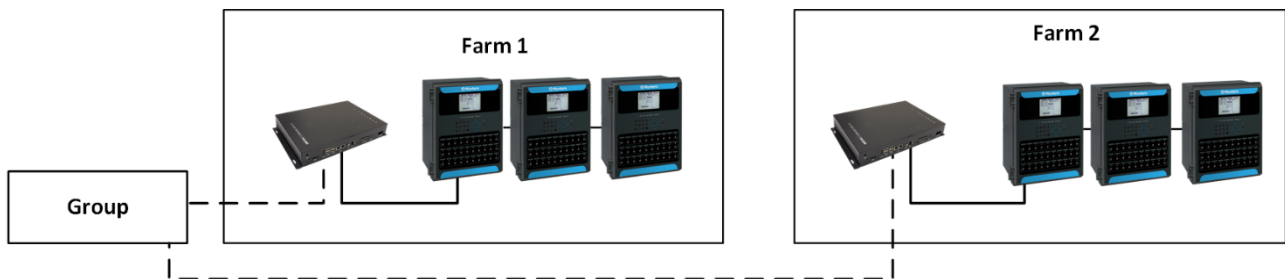


Figure 32: Group Example

As an example, an account manager has sent up two Groups and wants to add three different users to his account. Any combination is possible.

- User 1 is assigned access rights to Farm 1.
- User 2 is assigned access rights to Farm 2.
- User 3 is assigned access rights to Farm 1 and Farm 2.
- In addition, User 1 is also assigned access rights to Farm 3, which is in an entirely different group.

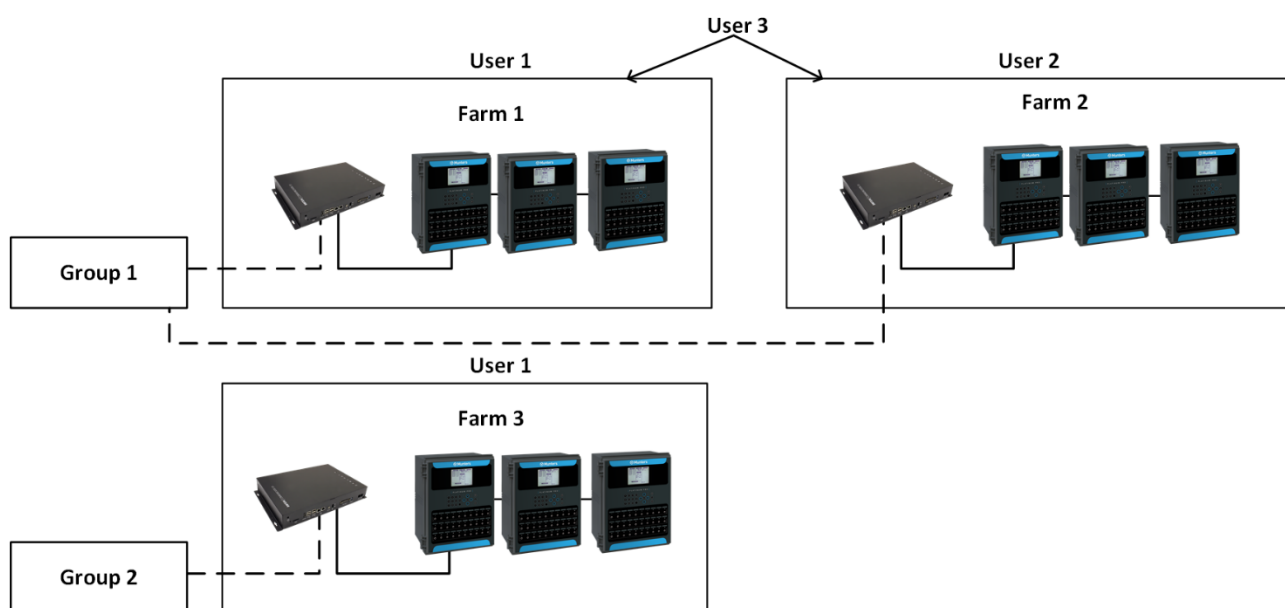


Figure 33: Assigning Farms to Groups

5.2 Activating the Account

NOTE: It is not required to physically connect the Communicator 2.0 Plus to controllers to activate the account. This step can be done at a later time.

1. Install the unit and connect the Communicator 2.0 Plus to a computer screen and keyboard (Connecting the Communicator 2.0 Plus to a Peripheral Device, page 12).
2. Apply power to the Communicator 2.0 Plus (the battery switch must be on).

NOTE: If the battery is not turned on, an alarm sounds. The alarm stops immediately after the battery switch is turned on.

The following screen appears:

ROTEM
a Munters company

[Diagnostics](#)

Farm Activation

Language
English

Farm Name
My New Farm Name

Farm Type
Poultry

Baud Rate
1200 [Edit](#)
(optional - Baud rate needs to be modified according to your communication device setup)

Com Port
COM1 [Edit](#)
(optional - Com Port needs to be modified according to your communication device setup)

Number Of Houses To Be Scanned

House Number	House Name	House Number	House Name
<input type="checkbox"/> 1	House 1	<input type="checkbox"/> 17	House 17
<input type="checkbox"/> 2	House 2	<input type="checkbox"/> 18	House 18
<input type="checkbox"/> 3	House 3	<input type="checkbox"/> 19	House 19
<input type="checkbox"/> 4	House 4	<input type="checkbox"/> 20	House 20
<input type="checkbox"/> 5	House 5	<input type="checkbox"/> 21	House 21
<input type="checkbox"/> 6	House 6	<input type="checkbox"/> 22	House 22
<input type="checkbox"/> 7	House 7	<input type="checkbox"/> 23	House 23
<input type="checkbox"/> 8	House 8	<input type="checkbox"/> 24	House 24
<input type="checkbox"/> 9	House 9	<input type="checkbox"/> 25	House 25

Figure 34: Farm Activation Screen

3. Define the parameters:

- Language: Chose the language from the drop-down list.
- Give your farm a name.
- Choose the farm type, Poultry or Pig.
- Baud Rate and Com Port: If required, edit these settings.

4. Under Number of Houses to be Scanned, select at least one house (required). You can name any house selected.

ROTEM
a Munters company

Diagnosics

Farm Activation

Language
English

Farm Name
MyFarm

Farm Type
Poultry

Baud Rate
1200

Com Port
COM1

Number Of Houses To Be Scanned

House Number	House Name	House Number	House Name
<input checked="" type="checkbox"/> 1	MyFarm1	<input type="checkbox"/> 17	House 17
<input checked="" type="checkbox"/> 2	MyFarm2	<input type="checkbox"/> 18	House 18
<input checked="" type="checkbox"/> 3	MyFarm3	<input type="checkbox"/> 19	House 19
<input type="checkbox"/> 4	House 4	<input type="checkbox"/> 20	House 20
<input type="checkbox"/> 5	House 5	<input type="checkbox"/> 21	House 21
<input type="checkbox"/> 6	House 6	<input type="checkbox"/> 22	House 22
<input type="checkbox"/> 7	House 7	<input type="checkbox"/> 23	House 23
<input type="checkbox"/> 8	House 8	<input type="checkbox"/> 24	House 24
<input type="checkbox"/> 9	House 9	<input type="checkbox"/> 25	House 25

Figure 35: Select Houses

5. At the bottom of the screen click **Activate**.

6. The following screen appears:

Munters Win.X64.T7

Farm settings External Devices Local Users Data Collect Activity log

The farm is connected to the web **Disconnect** Software Update

Comm Port Connection

Your contact info for support

Number Of Houses To Be Scanned

House Number	House Name	House Number	House Name
<input checked="" type="checkbox"/> 1	House 1	<input checked="" type="checkbox"/> 17	House 17
<input checked="" type="checkbox"/> 2	House 2	<input checked="" type="checkbox"/> 18	House 18
<input checked="" type="checkbox"/> 3	House 3	<input checked="" type="checkbox"/> 19	House 19
<input checked="" type="checkbox"/> 4	House 4	<input checked="" type="checkbox"/> 20	House 20
<input checked="" type="checkbox"/> 5	House 5	<input type="checkbox"/> 21	House 21
<input checked="" type="checkbox"/> 6	House 6	<input type="checkbox"/> 22	House 22
<input checked="" type="checkbox"/> 7	House 7	<input type="checkbox"/> 23	House 23
<input checked="" type="checkbox"/> 8	House 8	<input type="checkbox"/> 24	House 24
<input checked="" type="checkbox"/> 9	House 9	<input type="checkbox"/> 25	House 25



Attached Web Groups

Manage Groups

Server
https://rotemnetweb.com/Host2_V1/

Group Name	Owner
TestComm2	Nick

Figure 36: Farm Activation Screen

- At this point, you can use Communicator 2.0 Plus to configure your controllers locally. Click .
- To enable web control, click . RotemNet Web scans the controllers.
 - If a house was checked in the above screen but is not connected to the Communicator 2, the scan fails.

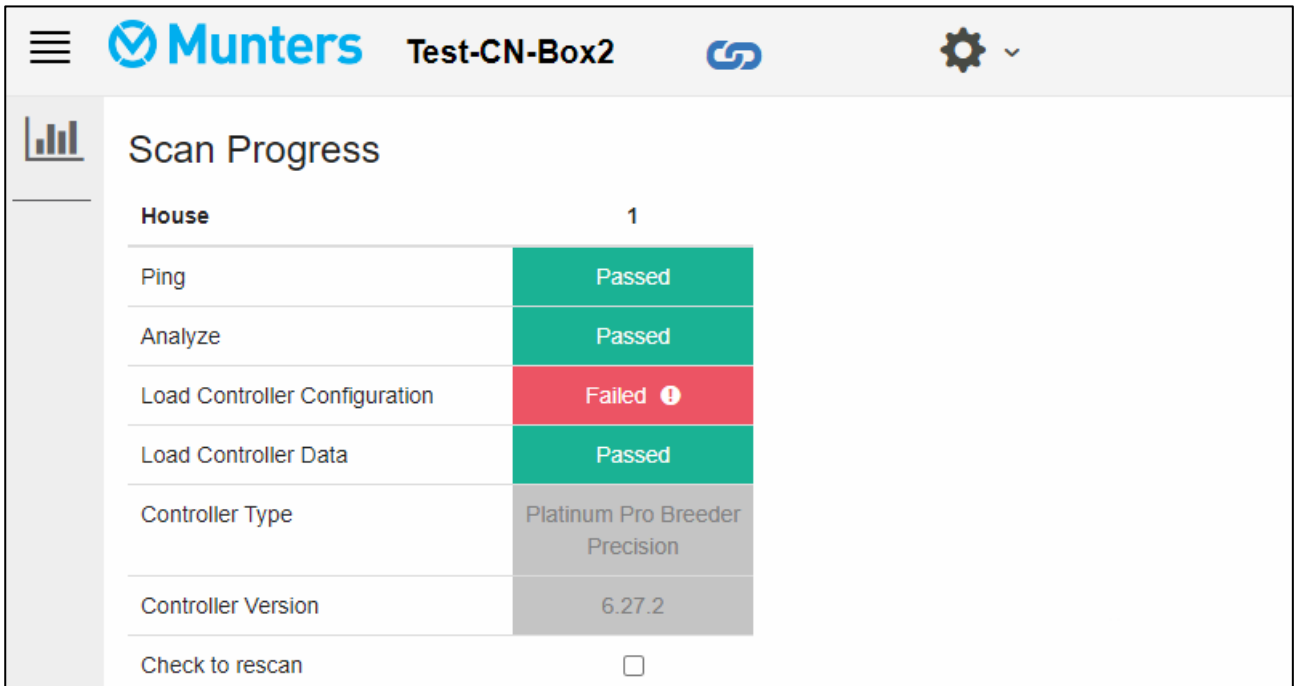


Figure 37: Scan Failure

5.3 Connecting the Communicator 2.0 Plus to RotemNet Web

NOTE: You must have set up your RotemNet Web account to initiate this process. If you do not have an account, refer to *Creating a New Account*.

1. On the screen click . The following screen appears:

Figure 38: User Login Screen

2. [Sign Up](#) or [Login](#).

5.3.1 CREATING A NEW ACCOUNT

1. Connect the Communicator 2.0 Plus to your LAN (i.e. your modem).

NOTE: Users who have a local account with no internet access, uncheck the Allow to Manage Farms From the Internet checkbox.

Figure 39: Create a New User

2. Under Create a new user, fill in the fields and click Create a user. The following screen appears.

Figure 40: Farm Type

3. Select the Account Type, Single or Multiple.

- Name the account.
- Click Next.

The following screen appears.

Figure 41: Farm Definition

4. Type in the farm name and define the fields.

5. Click Activate.

6. In the following screen, click Start scan.

Figure 42: Scan Initiation

After scanning the controllers, the web application appears:

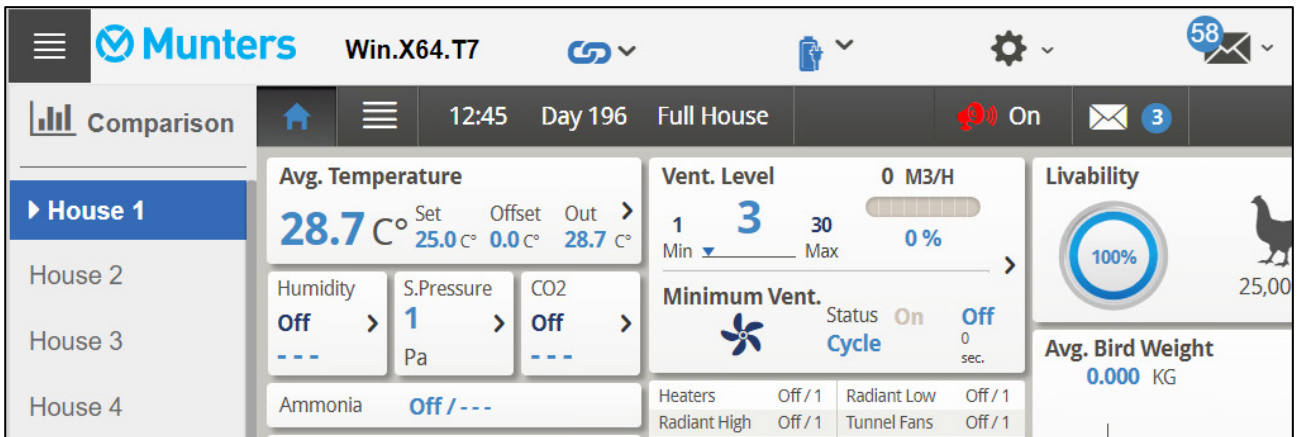


Figure 43: Scanned System (example only)

5.3.2 LOGIN TO AN EXISTING ACCOUNT

1. Connect the Communicator 2.0 Plus to your LAN (i.e. your modem).
The Activation screen appears.

The screenshot shows the 'ROTEM a Munters company' Farm Activation screen. It includes a 'Diagnostics' button and a checkbox for 'Allow To Manage Farm From The Internet'. The process steps are: 1 Login, 2 Attach Farm To Farm's Group, and 3 Activate Farm. The 'Login' step is active, showing two columns:

- Login to your account:** Fields for Email Address, Password, and Language (set to English). A 'Login' button is at the bottom.
- Create a new user:** Fields for Name, Email Address, Password, and Confirm Password. A 'Create a user' button is at the bottom.

A 'Forgot Password' link is located at the bottom left.

Figure 44: Login screen

2. Under Login to your account, fill in the fields and click Login.
3. In the following screen, click Start scan.

The screenshot shows the ROTEM web application interface. The top bar displays 'DevTean_1', the time '6:28', and the date '26 Oct'. A red message at the top states 'Started to scan for houses in farm DevTean_1'. The main content area has tabs for 'Manage farm users', 'Farm settings', and 'Activity log'. Below these is a table with columns: User Name, Display..., Administrat..., Active, Email, and Phone. The table contains one row for 'admin' with 'Farm Administrat...' as the display name. A 'System Message' dialog box is open, asking 'Start scanning for houses ?' with 'Start scan' and 'Cancel' buttons.

Figure 45: Scan Initiation

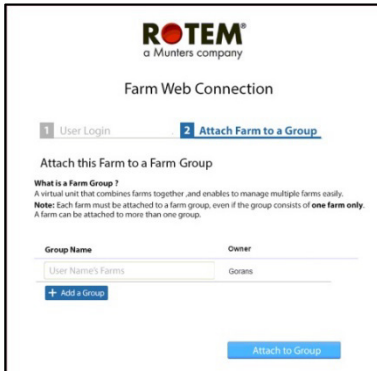
After scanning the controllers, the web application appears (Figure 43).

5.4 Attaching the Farm to a Group

- No Existing Groups
- Groups Exist

5.4.1 NO EXISTING GROUPS

1. If there are no existing groups for this farm, the following screen appears:



The screenshot shows the 'Farm Web Connection' interface for ROTEM, a Munters company. It features two tabs: '1 User Login' and '2 Attach Farm to a Group'. The '2 Attach Farm to a Group' tab is active. Below the tabs, the text reads 'Attach this Farm to a Farm Group'. A definition of a Farm Group is provided: 'What is a Farm Group? A virtual unit that combines farms together and enables to manage multiple farms easily. Note: Each farm must be attached to a farm group, even if the group consists of one farm only. A farm can be attached to more than one group.' Below this, there are two input fields: 'Group Name' with the placeholder text 'User Name's Farms' and 'Owner' with the placeholder text 'Gorans'. There is a '+ Add a Group' button next to the Group Name field and an 'Attach to Group' button at the bottom right.

Figure 46: No Existing Group Screen

2. Write the name of the farm group that you want to create and click **Attach to Group**.

5.4.2 GROUPS EXIST

If the farm is part of a group or if the owner has created groups do one of the following:

- Check the radio box next to the group to which you want to attach your farm and click **Attach to Group**.



The screenshot shows the 'Farm Web Connection' interface for ROTEM, a Munters company. It features two tabs: '1 User Login' and '2 Attach Farm to a Group'. The '2 Attach Farm to a Group' tab is active. Below the tabs, the text reads 'Attach this Farm to a Farm Group'. A definition of a Farm Group is provided: 'What is a Farm Group? A virtual unit that combines farms together and enables to manage multiple farms easily. Note: Each farm must be attached to a farm group, even if the group consists of one farm only. A farm can be attached to more than one group.' Below this, there is a prompt: 'Please select one or more groups from your list of groups below to be attached to your new farm, or add a new group.' Below the prompt, there are two input fields: 'Group Name' and 'Owner'. Under 'Group Name', there are two radio buttons: 'My Group 1' (which is checked) and 'My Group 2'. Under 'Owner', there is a text field with the placeholder text 'Gorans'. There is a '+ Add a Group' button next to the Group Name field and an 'Attach to Group' button at the bottom right.

Figure 47: Attach Farm to Group Screen

- To add an additional group, type in the Group Name and click **Add a Group**.

Figure 48: Add a Group Screen

6 RotemNet Web

The following sections describe how to use the RotemNet Web functions. All other functions are described in the Platinum Touch manual.

- Sign In
- My Farm Groups
- Manage Groups
- User Settings
- RotemNet Farm Management
- Software Upgrade
- About Tab
- Battery Status
- Controllers Connectivity

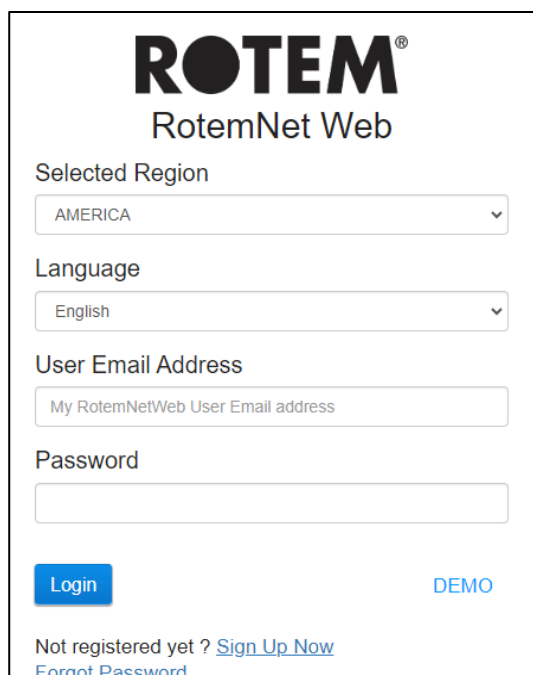
6.1 Sign In

There are two ways to sign in:

- Standard Login
- Private Server

6.1.1 STANDARD LOGIN

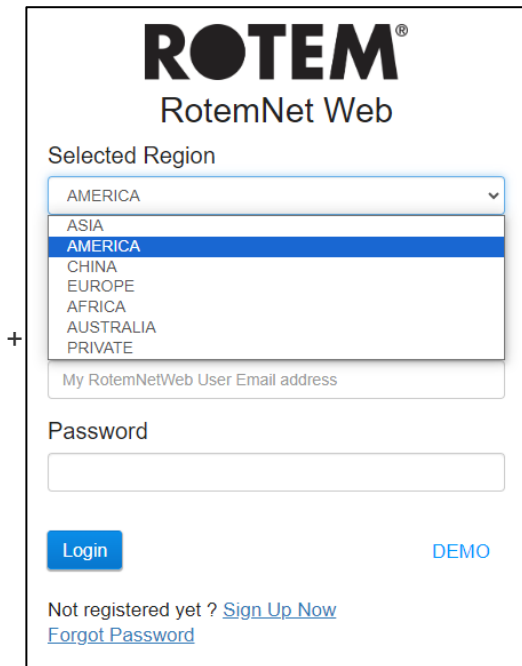
1. Go to RotemNetWeb.Com.



The screenshot shows the RotemNet Web login interface. At the top is the Rotem logo and the text 'RotemNet Web'. Below this are two dropdown menus: 'Selected Region' with 'AMERICA' selected, and 'Language' with 'English' selected. There are two input fields: 'User Email Address' with placeholder text 'My RotemNetWeb User Email address', and 'Password'. At the bottom left is a blue 'Login' button, and at the bottom right is a blue 'DEMO' link. At the very bottom, there is a link for 'Not registered yet ? Sign Up Now' and a link for 'Forgot Password'.

Figure 49: Standard Sign In

2. From the drop-down list, select the region closest to you. Proper selection is required to ensure faster response time.



The screenshot shows the RotemNet Web login interface. At the top is the Rotem logo and 'RotemNet Web'. Below is a 'Selected Region' dropdown menu which is open, showing a list of regions: AMERICA (highlighted), ASIA, CHINA, EUROPE, AFRICA, AUSTRALIA, and PRIVATE. Below the dropdown is a text input field for 'My RotemNetWeb User Email address'. Underneath is a 'Password' input field. At the bottom left is a blue 'Login' button, and at the bottom right is a blue 'DEMO' link. At the very bottom, there is a link for 'Not registered yet ? Sign Up Now' and a link for 'Forgot Password'.

Figure 50: Region Selection

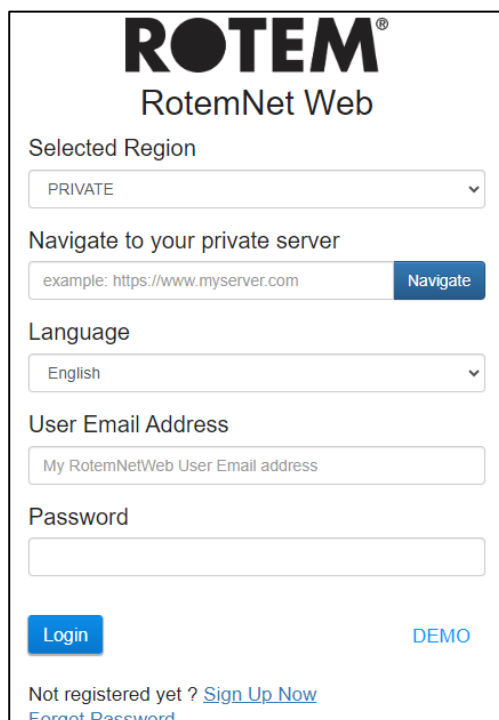
3. Enter the email address and password, and click Login.

After signing in, the [My Farm Groups](#) screen appears:

6.1.2 PRIVATE SERVER

If your farm is connected to a private server system:

1. Click Private from the Selected Region. The following screen appears.



The screenshot shows the RotemNet Web login interface for private server access. At the top is the Rotem logo and 'RotemNet Web'. Below is a 'Selected Region' dropdown menu with 'PRIVATE' selected. Underneath is a section titled 'Navigate to your private server' with a text input field containing 'example: https://www.myserver.com' and a blue 'Navigate' button. Below this is a 'Language' dropdown menu with 'English' selected. Underneath is a 'User Email Address' input field with placeholder text 'My RotemNetWeb User Email address'. Below that is a 'Password' input field. At the bottom left is a blue 'Login' button, and at the bottom right is a blue 'DEMO' link. At the very bottom, there is a link for 'Not registered yet ? Sign Up Now' and a link for 'Forgot Password'.

Figure 51: Private Server Sign In

2. Enter the server information.

NOTE: Dealers provide this information, if relevant.

- After signing in, the [My Farm Groups](#) screen appears:

6.2 My Farm Groups

Click the My Farm Groups to access all groups to which you are participating in, in any capacity. You can reach this screen from the dropdown menu:

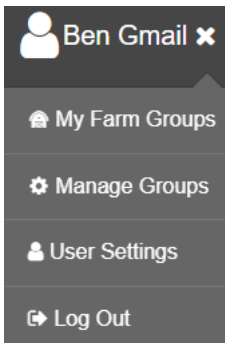


Figure 52: User Group Access

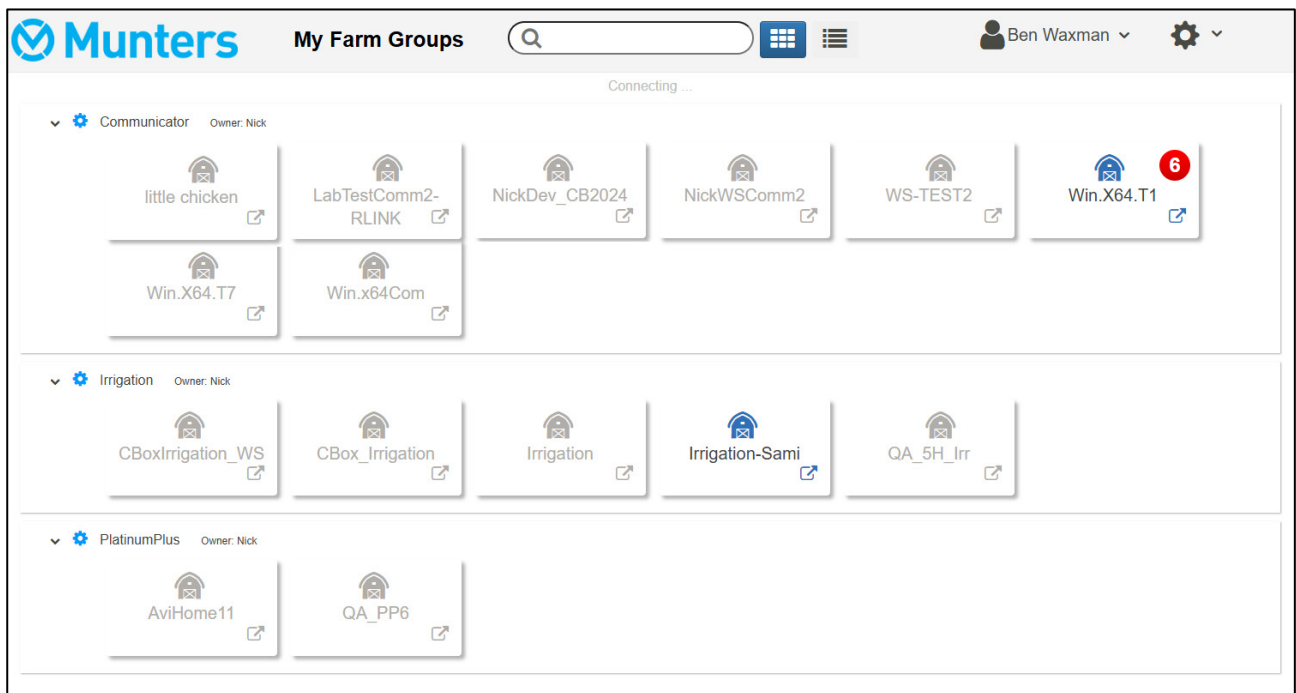


Figure 53: My Farm Groups Screen

The screen shows:

- the groups and their status (on-line/off-line).
- the number of active alarms in each active farm. For example, there are six alarms in Win.X64.T1. Click the icon to see each controller's particular alarms.

		Win.X64.T1		Customize		Ben Waxman		6	
Comparison	House	House 1	House 2	House 3	House 4	House 5	House 6		
House 1		On 1 Day 418 Full House	On 1 Day 418 Full House	On 1 Day 418 Full House	On 1 Day 418 Full House	On 1 Day 418 Full House	On 1 Day 418 Full House		
House 2									
House 3	Time	15:47	15:45	15:47	15:47	15:47	15:47		
House 4	Average Temperature	31.5 C°	31.5 C°	31.5 C°	31.5 C°	31.5 C°	31.5 C°		
House 5	Static Pressure	1	1	1	1	1	1		
House 6	Inside Humidity	60 %	60 %	60 %	60 %	60 %	60 %		
	Tunnel Temperature	33.9 C°	33.9 C°	33.9 C°	33.9 C°	33.9 C°	33.9 C°		

Figure 54: Alarms in Each Controller

- To find a particular farm group, search for the name in the search bar.

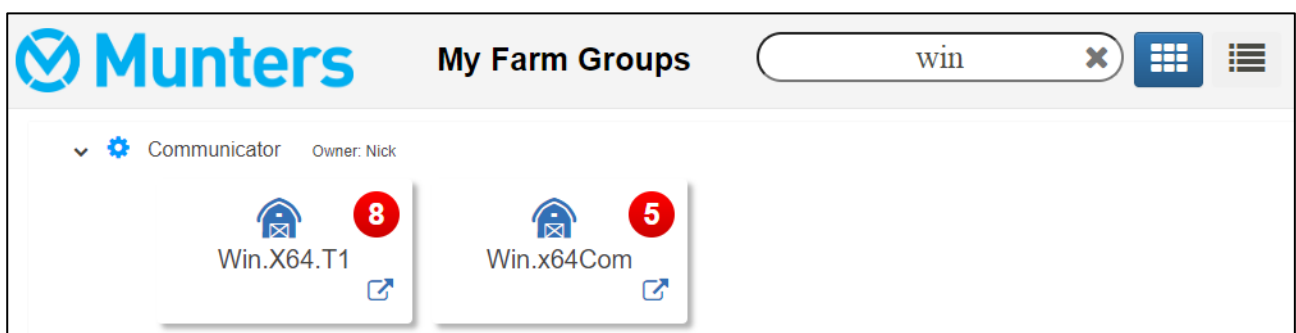


Figure 55: Search Function

- Farms can be displayed in a grid (Figure 56, click ) or in a list (Figure 57, click )

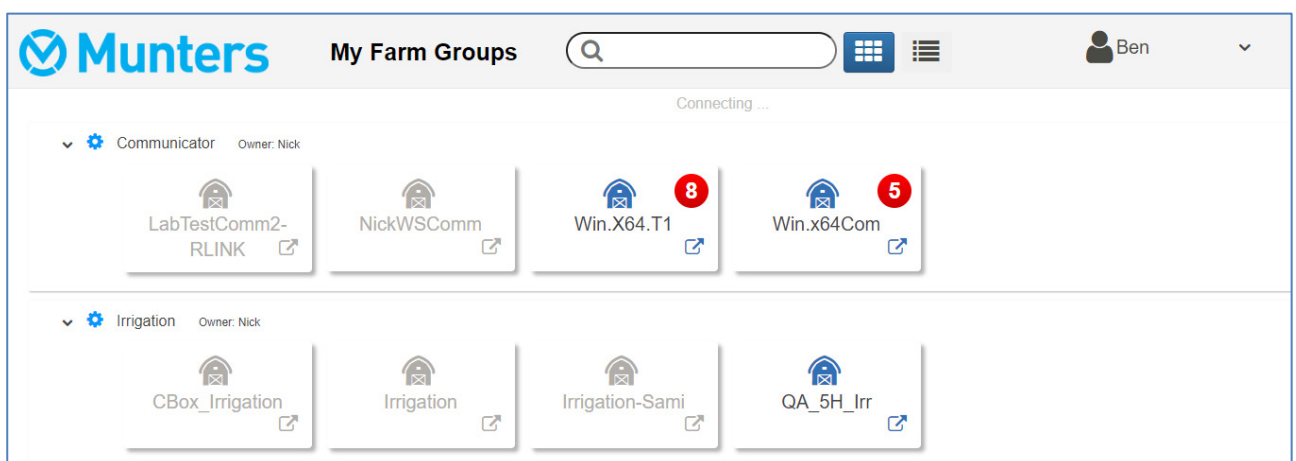


Figure 56: Grid View

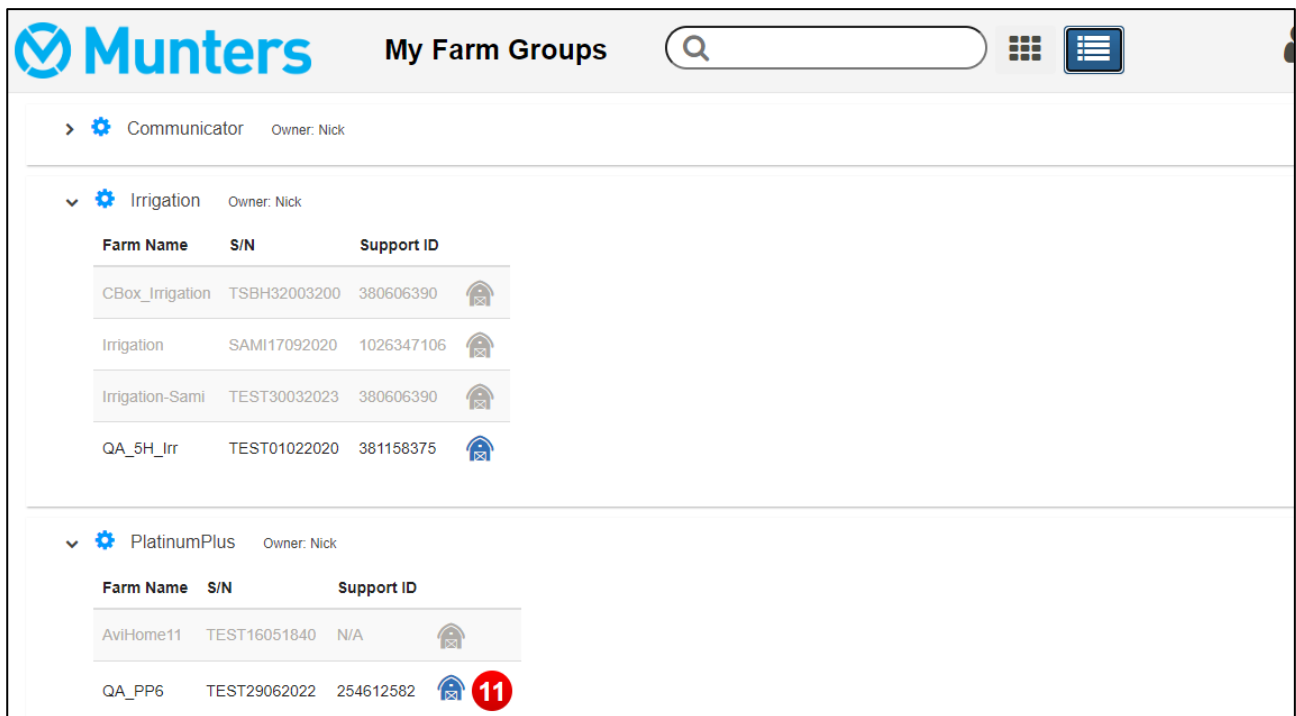


Figure 57: List View

- Click any icon to go to the group's farms (refer to RotemNet Farm Management, page 49).
- Click the settings icon to view and manage the group's users and farms.

6.2.1 DETAILS (OPTIONAL)

Fill in details about the group as required.

Group: Platinum Owner: Ben Munters

Details Users Sub Groups Farms

Save

Group Name: Platinum

Group Owner: Ben Waxman

Created On: 27/12/2022 17:45

Comments:

Figure 58: Details Screen

6.2.2 USERS

Click the Users tab to manage all group users.

- Existing Users
- New Users

6.2.2.1 Existing Users

The screenshot shows the 'My Farm Groups' interface. At the top, there's a header with the Munters logo, the title 'My Farm Groups', and a user profile for 'Ben Munters'. Below the header, it indicates the group is 'Platinum' and the owner is 'Ben Munters'. There are tabs for 'Details', 'Users' (which is active), 'Sub Groups', and 'Farms'. Under the 'Users' tab, there are sub-tabs for 'Active', 'Invited', and 'Removed'. A table lists three users: Ben Munters (Admin), Ben Gmail (Admin), and Test user (Read/Write). Each user has a red trash icon for deletion. A blue 'Save' button is in the top right corner of the table area.

Email	Name	Access Type	
Ben@munters.com	Ben Munters	Admin	
John@gmail.com	Ben Gmail	Admin	
Alice@munters.com	Test user	Read/Write	

Figure 59: Existing Users Screen

- On this screen, delete users or change the permissions of existing users.

6.2.2.2 New Users

New users who are not part of the system must first sign up before being invited. If the user has an existing email address in the RotemNet Web system, go to Inviting the New User.

6.2.2.2.1 Creating a New User

1. Have the user go to rotemnetweb.com.

The screenshot shows the 'ROTEM® RotemNet Web' sign-in page. It includes a 'Selected Region' dropdown set to 'AMERICA', a 'Language' dropdown set to 'English', a 'User Email Address' input field with placeholder text 'My RotemNetWeb User Email address', and a 'Password' input field. There is a blue 'Login' button and a blue 'DEMO' link. At the bottom, there are links for 'Not registered yet ? Sign Up Now' and 'Forgot Password'.

Figure 60: Sign In Screen

2. Click Sign Up Now.

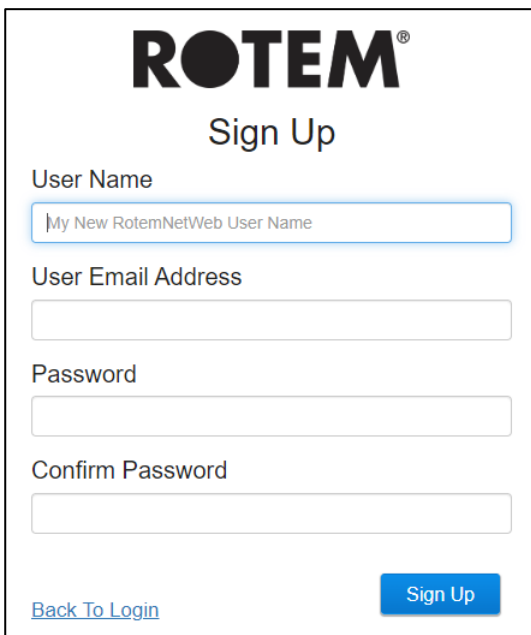
The image shows a web form for signing up with the ROTEM logo at the top. Below the logo is the text "Sign Up". The form contains four input fields: "User Name" with the placeholder text "My New RotemNetWeb User Name", "User Email Address", "Password", and "Confirm Password". At the bottom left is a link "Back To Login" and at the bottom right is a blue "Sign Up" button.

Figure 61: Sign Up Screen

3. Fill in the fields and click Sign Up.

6.2.2.2.2 Inviting the New User

Once the user has created an account, the administrator goes to the User screen.

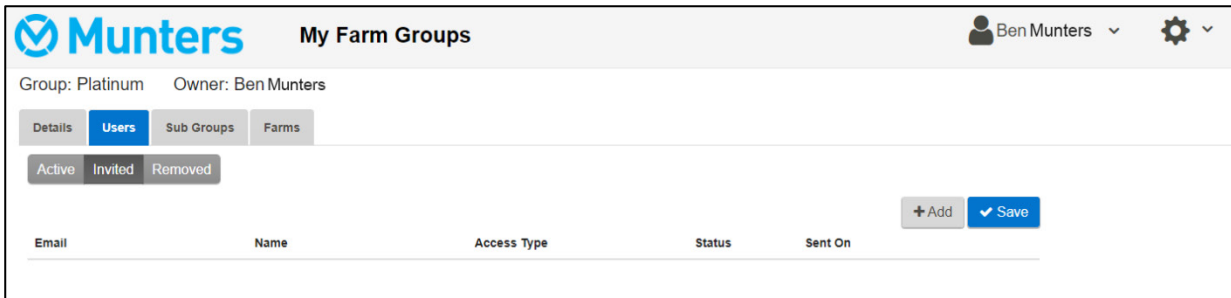
The image shows a web interface for "Munters My Farm Groups". The top header includes the Munters logo, the title "My Farm Groups", and a user profile for "Ben Munters" with a settings gear icon. Below the header, it shows "Group: Platinum" and "Owner: Ben Munters". There are four tabs: "Details", "Users" (which is active), "Sub Groups", and "Farms". Under the "Users" tab, there are three sub-tabs: "Active", "Invited", and "Removed". At the top right of the user list area are buttons for "+ Add" and "✓ Save". Below these is a table with columns: "Email", "Name", "Access Type", "Status", and "Sent On". The table is currently empty.

Figure 62: User Screen

1. Click Add.

2. In the Email field, enter the new user's email address. This address must be registered. See the following sections for details on creating a user.

3. Define the Access Type (permissions).

- CommBox Plus User Rights:
 - Admin: User can edit all unit parameters including functions related to farm settings and farm ownership.
 - Read/Write: User can edit all unit parameters but cannot perform any functions related to farm settings. (Farm Settings does not appear for users having Read/Write access).
 - Read Only: User can only view the CommBox Plus units' parameters; no changes can be made.
 - Unauthorized: TBD. (Currently used as read only)

- Support: TBD. (Currently used as read only)
- Web App User Rights:
 - Farm Owner/Admin: User can edit all unit parameters including functions related to farm settings (including attaching a farm to a group) and inviting new users.

NOTE Only an owner can invite new users.
 - Read/Write: User can edit all unit parameters but cannot perform any functions related to farm settings (not visible).
 - Read Only: User can only view the units' parameters; no changes can be made.
 - Unauthorized: TBD. (Currently used as read only)
 - Support: TBD. (Currently used as read only)

4. Click Invite.

The user will receive an email asking him/her to accept the invitation.

6.2.3 FARMS

The Farms screen lists the farms in this group.



Figure 63: List of Farms Screen

6.3 Manage Groups

Manage Groups enables many of the same functions as the My Groups screen. In addition, you can create new groups from this page.

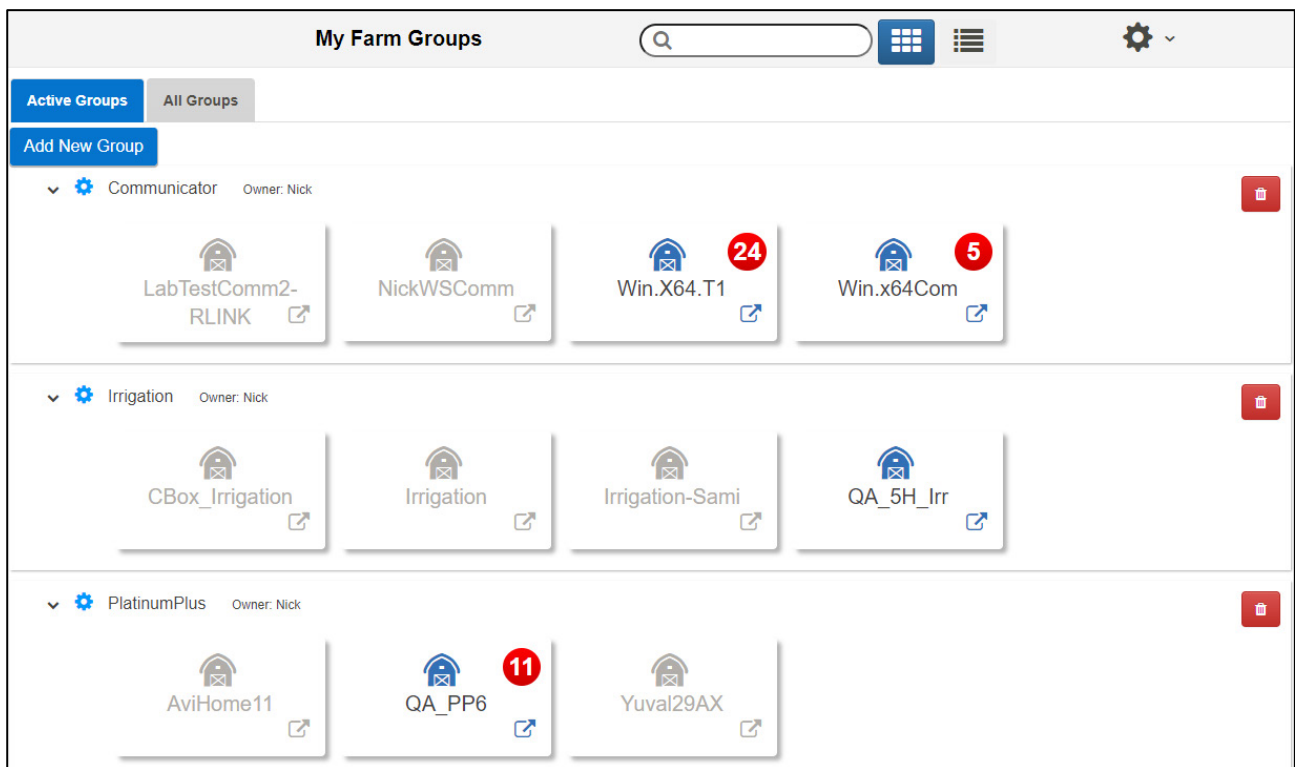


Figure 64: Manage Groups Screen

1. To create a new group, click **Add New Group**. Fill in the fields.

Figure 65: Add New Group screen

2. After creating the group, add farms to the group. Go to the Farm Settings screen.

NOTE: Only a farm owner/administrator connected to a farm locally can attach the farm to a group.

Figure 66: Farm Settings Screen

3. Click Manage Groups and attach the farm to a group (refer to Groups Exist, page 37).

6.4 User Settings

This screen defines how information appears on the screen. In Farm Owner, select




 User Settings. The following screen appears.

Figure 67: User Settings Screen

- To edit, click . Fill in the following fields as required.
 - Display name: Name that appears on the User Setting screen.
 - User email address

- Phone number
- Language: Chose from the drop-down list
- Unit types: Metric or English
- Temp Units: Celsius or Fahrenheit
- Pressure Units
- Wind Speed Units
- Disable or enable standby by mode (if the latter define the amount of time that needs to pass before the mode is activated).
- Click  to save any changes.

6.5 RotemNet Farm Management

- Farm Summary and Comparison
- Comparison Screen Appearance
- RotemNet Screen Appearance
- RotemNet Web Functionality

6.5.1 FARM SUMMARY AND COMPARISON

Click Comparison to view a summary of houses' activity.












 Win.X64.T1   Customize  Ben   8								
 Comparison	House	House 1	House 2	House 3	House 4	House 5	House 6	House 7
	Outside Temperature	11.2 C°	11.2 C°	11.2 C°	11.2 C°	11.2 C°	11.2 C°	11.2 C°
House 1	Vent. Mode	Minimum Vent.	Minimum Vent.	Minimum Vent.	Minimum Vent.	Minimum Vent.	Minimum Vent.	Minimum Vent.
House 2	Vent. Level	1630	1630	1630	1630	1630	1630	1630
House 3	Vent. Level CFM	152,910	152,910	152,910	152,910	152,910	152,910	152,910
House 4	Status	Off	Off	Off	Off	Off	Off	Off
House 5	Cycle Time	135	120	119	119	117	143	141
House 6	Set Temperature	26.0 C°	26.0 C°	26.0 C°	26.0 C°	26.0 C°	26.0 C°	26.0 C°
House 7	Target Pressure	29	29	29	29	29	29	29
House 8	Humidity Treatment	Off	Off	Off	Off	Off	Off	Off
	Daily Water	22772	22778	22778	22779	22779	22769	22770
	Total Water Per Hour	949	950	950	950	950	948	948
	Average Weight	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Figure 68: Comparison Houses Screen

- Version 4.7.2.X supports displaying the Total Water Per Hour.
- Click on House to go to the controller functions.
- Click on  to configure [RotemNet Web functionality](#).
- Click on  Farm Owner to configure the [user definitions](#).

- Click on  to view the [battery status](#).
- Click on  to view the connection to controllers.

6.5.2 COMPARISON SCREEN APPEARANCE

Version 4.7.2.X supports defining the background colors of the Status, Sensors, and Devices sections.

NOTE: Only administrators can perform this function.

1. In the settings icon, click Customize.

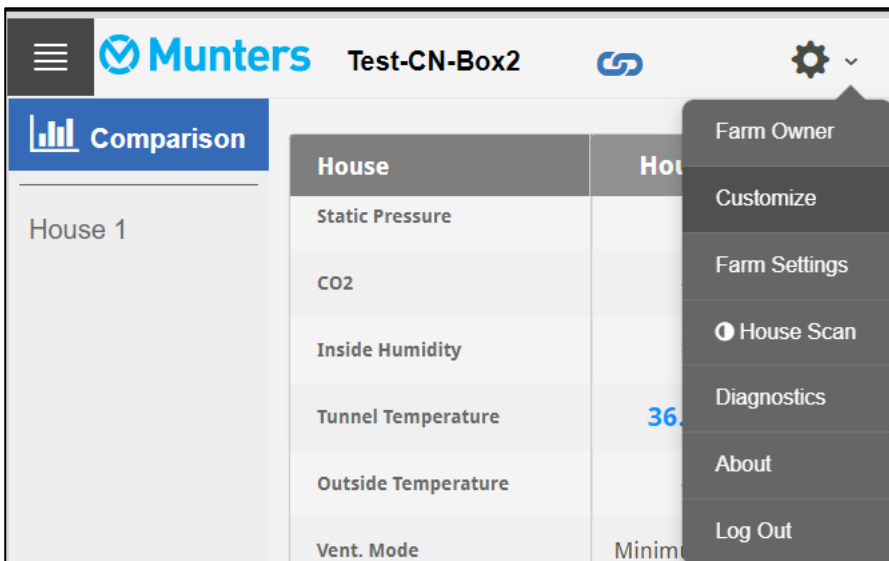


Figure 69: Customize Feature

2. For each section, select the background color.

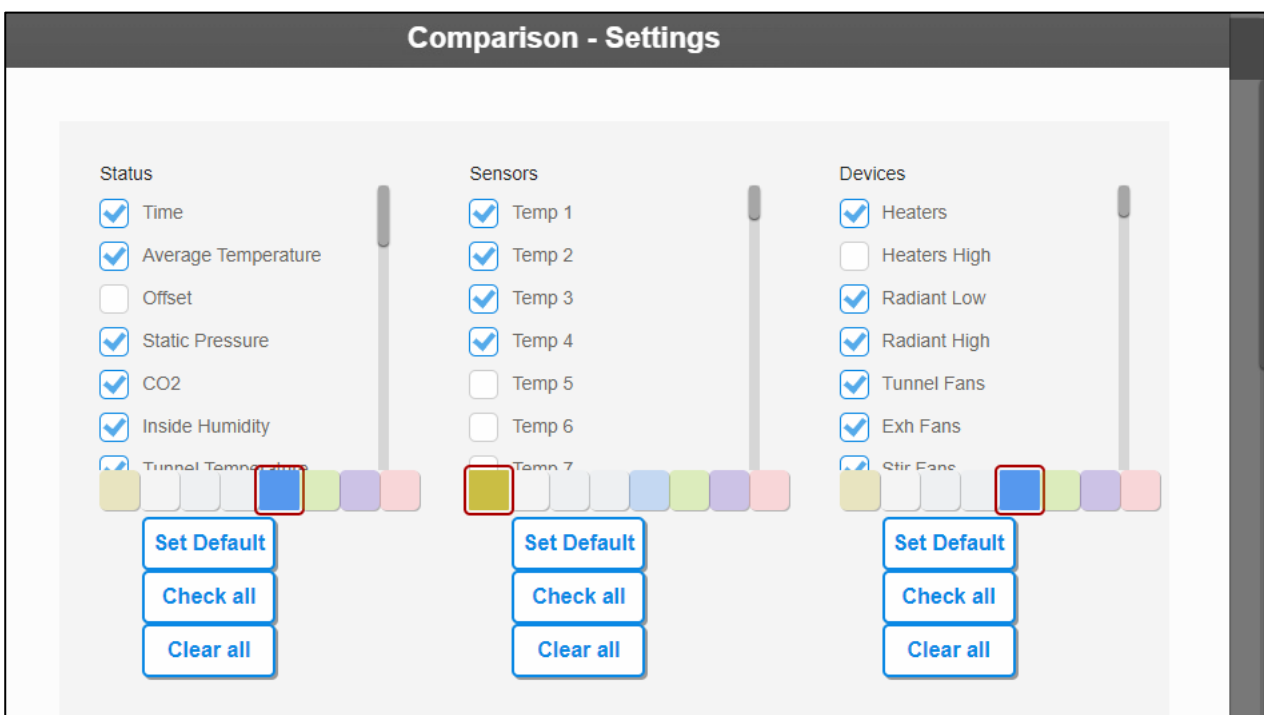


Figure 70: Comparison Settings Screen

3. The screen displays the background colors.

House	House 1
Daily Water	0
Average Weight	0.000
% CFM	9
Temp 1	99.1 C°
Temp 2	21.9 C°
Temp 3	17.5 C°
Temp 4	41.7 C°
Wind Chill	36.1 C°
Heaters	---
Radiant Low	---
Radiant High	---

Figure 71: Color Selection Screen

6.5.3 ROTEMNET SCREEN APPEARANCE

The screen appearance depends on how the user connects to the Communicator 2.0 Plus, as a local user or via the internet. Users connected locally have access to additional functionality.

Figure 72: Local Connection

Figure 73: Web Connection

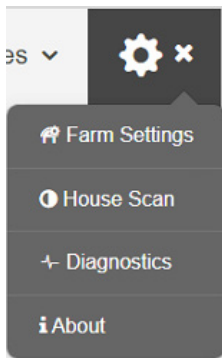


Figure 74: Local Connection Settings

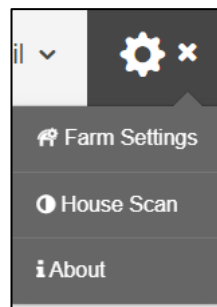


Figure 75: Web Connection Settings (administrator)

In addition, when connected via the web, the user has easy access to his/her groups (Refer to My Farm Groups, page 41).

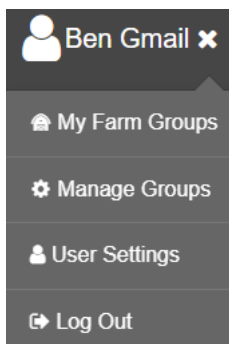
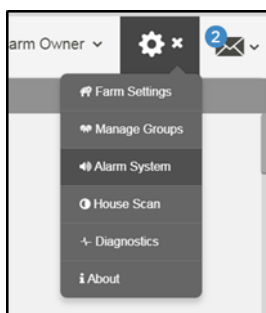


Figure 76: User Group Access

6.5.4 ROTEMNET WEB FUNCTIONALITY

The following section describes the RotemNet Web functions.



- Farm Settings Tab
- House Scan Tab

NOTE: Only the farm owner can view the Farm Settings and House Scan tabs.

6.5.4.1 Farm Settings Tab

- Farm Settings
- Push Notifications
- Local Users
- Data Collect
- Activity Log
- General Settings

NOTE: The “Local Users” tab appears only on the computer screen connected directly to the Communicator 2.0 Plus.

6.5.4.1.1 Farm Settings

Use this screen to define functions related to Communicator 2.0 Plus's connection to your farm.

The farm is connected to the web [Disconnect](#) [Software Update](#)

Farm Name
Win.X64.T7

Farm Type
Poultry

Enable storing history data on local device automatically ☒

► **Comm Port Connection**

► **Your contact info for support**

Number Of Houses To Be Scanned [Edit](#)

House Number	House Name	House Number	House Name
1	House 1	17	House 17
2	House 2	18	House 18
3	House 3	19	House 19

[Save Changes](#) [Rescan Farm Houses](#)

Attached Web Groups
[Manage Groups](#)

Server
https://rotemnetweb.com/Host2_V1/

Group Name	Owner
TestComm2	Nick

Figure 77: Farm Settings Screen

- **Farm Name:** This name appears on your screen.
- **Farm Type:** Poultry or Pigs. Make sure that the definition matches the Communicator 2.0 Plus type!
- **(Version 4.7.4.19) Enable storing history data on local drive automatically:**
 - When enabled, Communicator 2.0 Plus stores history data automatically in the Communicator 2.0.
 - When this function is not enabled, data is stored on the controller only when the user views a history page. For example, sensor data is stored when the user views a sensor history screen.
- **Com Port Connection**
 - **Baud rate:** This rate must be the same throughout the network. Munters recommends
 - using the default baud rate, 9600, for wired connections.
 - setting the baud rate at 19200 for RLINK One connections.

- **Com Port:** Define the COM port. COM1 is the default.
- **Contact information (optional):** Munters uses this information to contact users if there is a need, for example to inform you of an update. The information will not be distributed to any outside parties whatsoever.
- **Number of Houses to be Scanned:** Scanning tests communication to the houses. If you wish to scan all houses or individual houses, click the relevant house number. Click **Rescan farm houses** to complete the scan.
 - You can name the houses.
 - In units having the Communicator 2.0 Plus Pig Software, you can name individual rooms.
- **Date and Time/Time Zone:** Enter the information.
- **Click Save Changes.**
- **System Update:** Refer to Software Upgrade.

6.5.4.1.2 Push Notifications

Communicator 2.0 Plus can send push notifications to multiple email addresses. These emails list any current alarms.

- This function appears both for local and web access connections.

Figure 78: Push Notifications Screen

- Enter an address, click Check, Add, and then Save.
 - The Communicator 2.0 Plus Push Notification system does not provide detailed alarm information. The system is indicative only. To receive real-time alarms along with the ability to configure and manage alarms, contact your dealer about an independent alarms system (for example the Communicator).
 - If a group of alarms are generated simultaneously (for example, Hi Temperature, CO2, and ammonia) only one email (listing all three alarms) is sent. If any of the issues that caused an alarm to be generated is resolved, a new email is sent out listing the current alarms. For example, if the temperature goes down, an email listing CO2 and ammonia alarms is sent).

6.5.4.1.3 Local Users

- This function appears local access connections only.

Farm settings	Local Users	Data Collect	Activity log
User Name	Password	Assigned To	
Farm Owner	***	Farm Owner	
User 1	***	User 1	
User 2	***	User 2	
User 3	***	User 3	
User 4	***	User 4	
User 5	***	User 5	
readonly	***	Read Only	

Figure 79: Local Users Screen

This screen lists pre-assigned user names and passwords.

- Each user name and password is the same. For example, User 1's password is User 1. User 2's password is User 2.
- The Farm Owner can edit these names, passwords, and to whom they are assigned.

6.5.4.1.4 Data Collect

Refer to Appendix C: Data Collection, page 88.

- This function appears both for local and web access connections.

6.5.4.1.5 Activity Log

This screen displays the history of events connected to the Communicator 2.0 Plus. Under Event, Sub Event, User, and Cmd ID you can select filters to narrow down the results.

- This function appears both for local and web access connections.

Farm settings	Push Notifications	Local Users	Data Collect	Activity log			
Gateway Name	From Date	To Date	Event	Sub Event	User	Cmd ID	
John Smith	07/08/2018 00:00	10/08/2018 00:00					Refresh
Event Date	Gateway	Event	Sub Event	User	Elapsed	House #	Cmd ID

Figure 80: Activity Log Screen

Refer to Appendix B: Generating an Activity Log, page 82 for detailed information on this function.

6.5.4.1.6 General Settings

Refer to Appendix C: Data Collection, page 88.

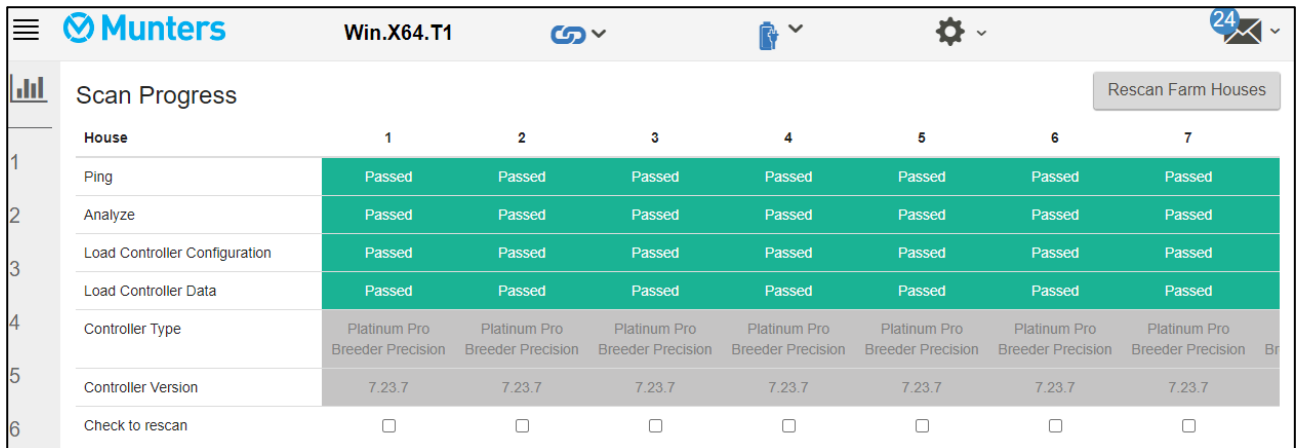
- This function appears in web access connections only.

6.5.4.2 House Scan Tab

- This function appears in both local and web access connections.

The House Scan screen:

- Shows the results of the house scan.
- Show the controller type and version used in each house.



	House	1	2	3	4	5	6	7
1	Ping	Passed	Passed	Passed	Passed	Passed	Passed	Passed
2	Analyze	Passed	Passed	Passed	Passed	Passed	Passed	Passed
3	Load Controller Configuration	Passed	Passed	Passed	Passed	Passed	Passed	Passed
4	Load Controller Data	Passed	Passed	Passed	Passed	Passed	Passed	Passed
5	Controller Type	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision	Platinum Pro Breeder Precision
6	Controller Version	7.23.7	7.23.7	7.23.7	7.23.7	7.23.7	7.23.7	7.23.7
6	Check to rescan	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Figure 81: House Scan Screen

6.6 Software Upgrade

You can upgrade certain software programs from the Web application.

- Platinum Touch software
- Web application
- Communicator 2.0 Plus software

NOTE: *The Communicator 2.0 Plus can only be updated locally; it cannot be updated remotely. The System Update button does not appear in remote connections.*

NOTE: *You cannot upgrade product software! Upgrade your product software using the procedures given in the product manuals.*

NOTE: *If you are using a disk on key start here. If you are updating your Communicator 2.0 Plus via the web, go to step 4.*

1. Request the software upgrade from your dealer. You will be sent (via email, web transfer, etc.) a UPD file.
 - a. Place the file on a disk on key/flash drive.
 - b. Place the disk on key/flash drive into the Communicator 2.0 Plus's USB port.
2. In the web application, click the **Farm Settings** tab. The following screen appears.

Farm settings | Local Users | Data Collect | Activity log

The farm is connected to the web [Disconnect](#) [System Update](#)

Farm Name

Farm Type

Baud Rate
 9600 [Edit](#)
(Attention - Baud rate needs to be modified according to your communication device setup)

Figure 82: Farm Settings

3. Click System Update. The following screen appears:

ROTEM [Go Back](#)

Update Combox

Current Version	Build	Last Update	
1.50.7	100	8/9/2018 02:59	Refresh Update List

Available Updates

[Online Update](#) [Update from a removable drive](#)

Version	Build	Release Date	Drive	Description	Type	
1.50.7	100	29/05/2018	G:\		Reinstall	Reinstall
1.50.8	109	06/08/2018	G:\		Upgrade	Upgrade

Version: 99.3.9.23

Figure 83: Update Software Selection Screen

- Users updating online: Click **Online Update** and choose the required software version.
- User updating using a flash drive: Click **Update from a removable drive** and choose the required software version.

NOTE: If you did not place the disk on key in the USB port or if the disk does not contain a program, an error message appears.

ROTEM [Go Back](#)

Update Combox

Current Version	Build	Last Update	
1.50.7	100	8/9/2018 02:59	Refresh Update List

Available Updates

[Online Update](#) [Update from a removable drive](#)

Update Files Not Found

Version: 99.3.9.23

Figure 84: Update Error Screen

6.7 About Tab

This screen displays the product and software version. Send this information to technical support in the event that you require assistance. The Support ID enables remote technical support from Munters or from your dealer.

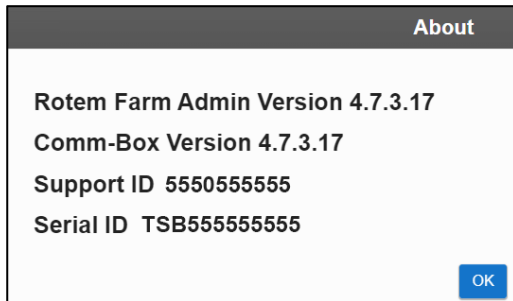



Figure 85: About

6.8 Battery Status

- Click on the battery symbol  to view the Communicator 2.0 Plus's battery status.

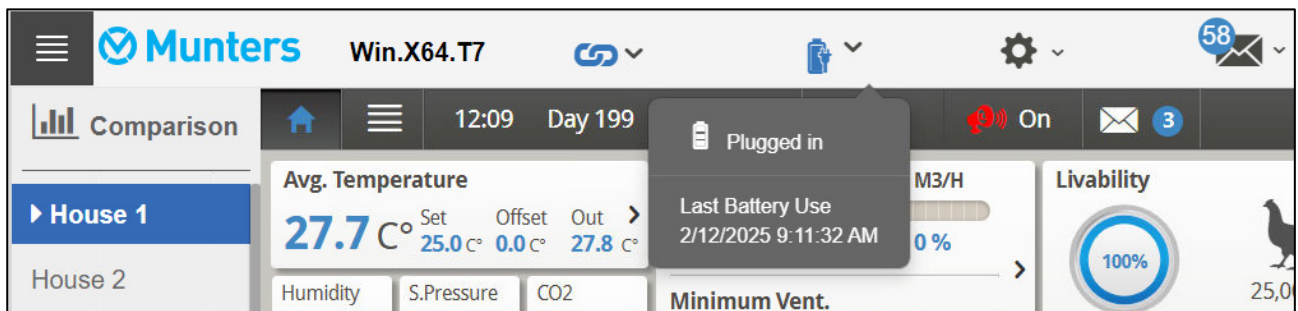


Figure 86: Battery Status Screen

NOTE: An alarm is sent when the Battery switch is turned off.

6.9 Controllers Connectivity

Click on the hyperlink symbol  to view the status of the controller connectivity.

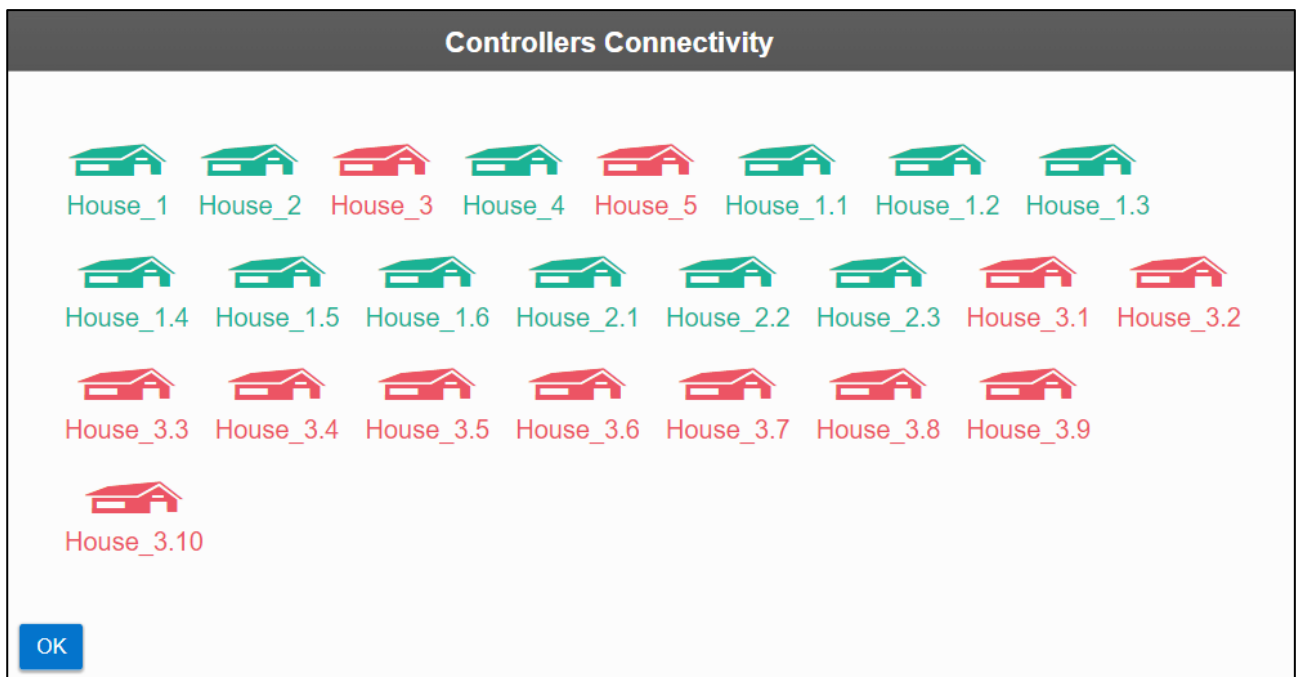


Figure 87: Active/Inactive Connectivity Screen

- Green houses: There is an active RS-232/485 connection.
- Red houses: The RS-232/485 connection is down.

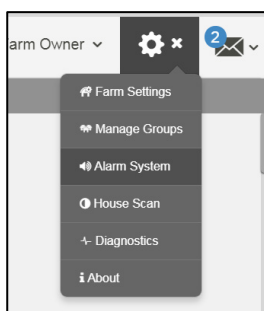
7 Alarms

This section describes how to configure the alarms. All other alarm functions are described in the controller manual.

- Alarms can be only configured locally. Anyone viewing the Communicator 2.0 Plus screen via the web will not see Alarm System in the Settings icon.
- The alarm settings defined in these screens are general definitions that apply to all alarms unless the alarm has a specific parameter that defines the setting. In that case, the alarm parameter will override the alarm setting defined here.
- **Extremely important:** Set up a [contact list](#) after installing the unit. You must enter the 1st contact's name and email address in order to activate Communicator 2.0 Plus.0's alarm functionality! This contact, once entered, cannot be deleted, only edited.
- Editing the Alarm Settings
- Adding Contacts
- Alarm and Events History
- Digital Inputs
- Disable Alarms
- Testing the Communicator 2.0 Plus
- Responding to Alarms

7.1 Editing the Alarm Settings

1. Click the **Settings** icon and select **Alarm System**.



The following screen appears.

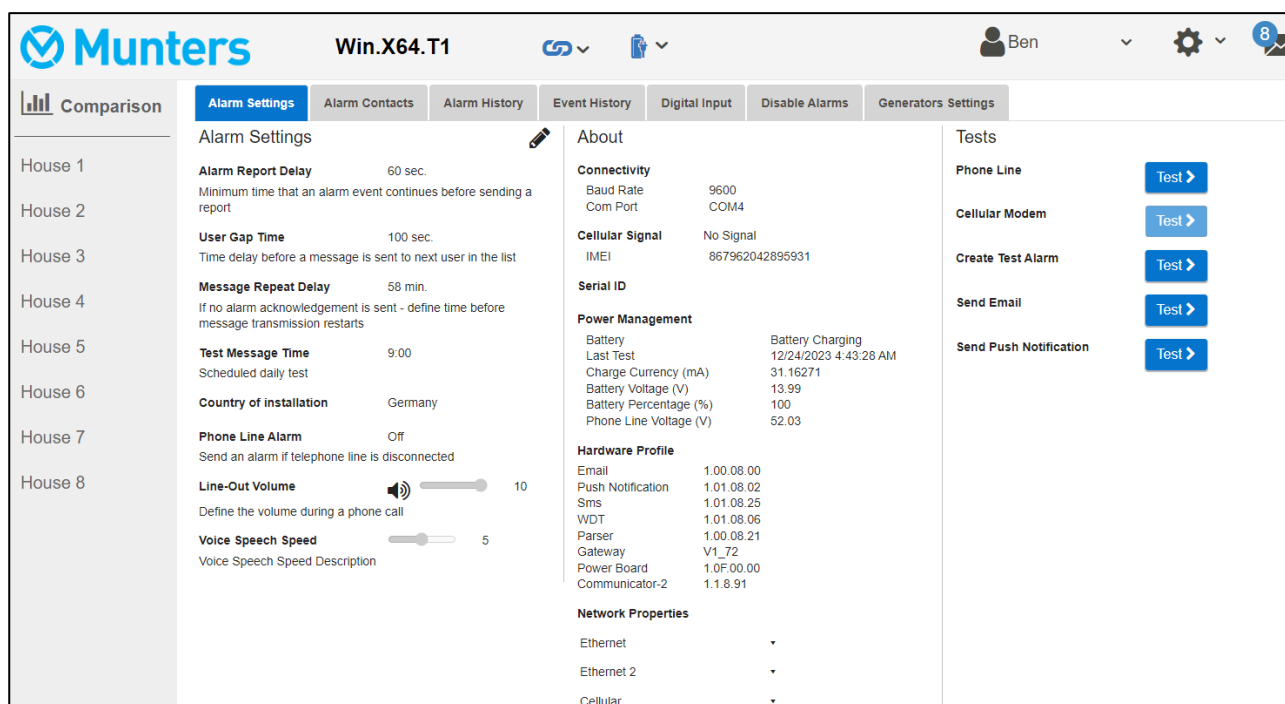


Figure 88: Alarm Settings Screen

The screen displays the current alarm settings along with Communicator 2.0 Plus parameter settings.

Version 4.7.2.X: This version includes the following power management specifications: Charge Currenty, Battery Voltage, Battery Percentage, and Phone Line Voltage. The last specification is critical for proper line modem functionality.

2. To edit the Alarm Settings click .

Munters MIS PigFarm

Alarm Settings | Alarm Contacts | Alarm History | Event History | Digital Input | Disable Alarms

Generators Settings

Alarm Settings

Alarm Report Delay 60 sec.
Minimum time that an alarm event continues before sending a report

User Gap Time 7 sec.
Time delay before a message is sent to next user in the list

Message Repeat Delay 59 min.
If no alarm acknowledgement is sent - define time before message transmission restarts

Test Message Time 9:00
Scheduled daily test

Country of installation Germany

Phone Line Alarm Off
Send an alarm if telephone line is disconnected

Line-Out Volume 10
Define the volume during a phone call

About

Connectivity
Baud Rate 4800
Com Port COM4

Cellular Signal
No Signal
IMEI 861108038278072
Serial ID 951032601114

Power Management
Battery None
Last Test 8/19/2023 1:13:56 AM
Charge Current 0 mA
Battery Voltage (V) 0
Battery Percentage (%) 0
Phone Line Voltage (V) 0

Hardware Profile
Email 1.00.08.00
Push 1.01.08.02
Notification 1.01.08.25
Sms 1.01.08.06
WDT 1.00.08.21
Parser 1.00.08.21
Gateway V4_70

Tests

Phone Line Test >

Cellular Modem Test >

Create Test Alarm Test >

Send Email Test >

Send Push Notification Test >

Figure 89: Edit Alarm Settings Screen

3. Edit the following parameters:

- **Alarm Report Delay:** To prevent you from being overloaded with insignificant alarms, you can define the amount of time an alarm condition must continue before an alarm is sent.
- **User Gap Time:** Define the delay time (if any) between messages sent to the next person on the list (see the Priority setting).
- **Message Repeat Delay:** Alarms must be acknowledged or messages are resent to the list. Define the amount of time in which acknowledgment must take place before resending messages.

- **Test Message Time:** A test message can be sent daily to ensure that message transmission is operating properly. This parameter sets the time that this message is sent.

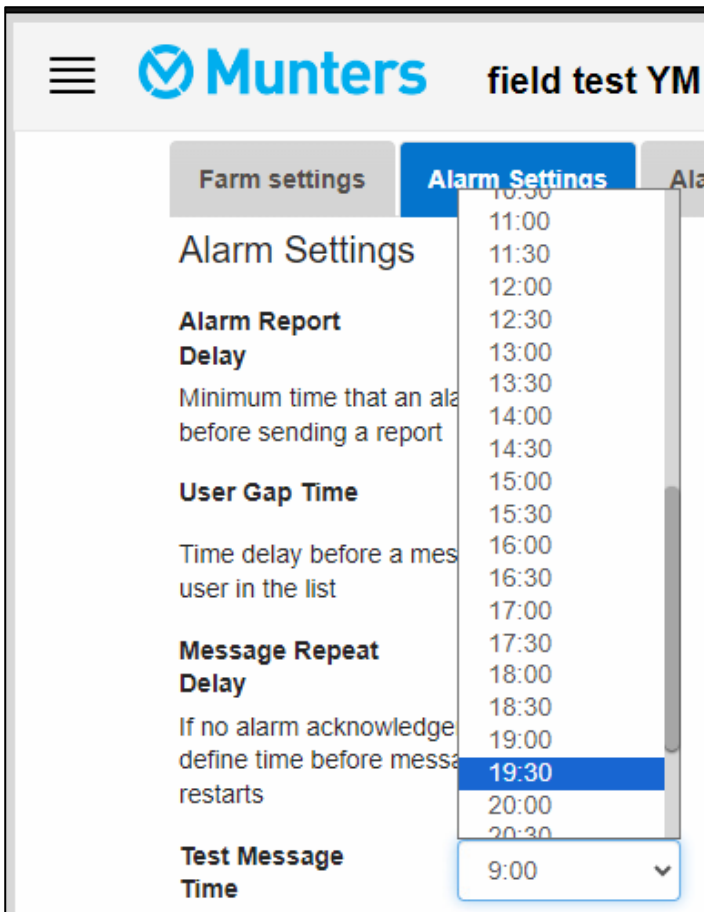


Figure 90: Test Message Time Screen

- **Country of installation:** Choose from the drop-down list.
- **Generator Ip Address (US customers only):** Users having a backup generator connected to the Communicator 2.0 Plus can enter the generator's IP address. Communicator 2.0 Plus will transmit any alarms from the generator.
- **Phone Line alarm:** Enable sending an alarm if the phone line is disconnected.
- **Line-Out Volume:** Define the call volume.

NOTE: The above two parameters require telephony connectivity to be enabled.

- **Voice Speech Speed:** Define the text-to-speech playback speed.
- **About:** These read-only parameters provide data for service technicians.

4. Click Save.

7.2 Adding Contacts


1. Click the Settings icon, select Alarm System, and click the Alarm Contacts tab.
2. Click . The following screen appears.

Figure 91: Alarm Contacts Screen

3. Fill in:

- **Contact name**

WARNING! *There must be at least one contact name or the alarms will not function!*

- **Priority:** If there is more than one contact, you can define the order in which the contacts receive messages.
- **Voice Message Number/Text Message Number:**
 - Add a number for an outside line if required.
 - Enter the exit code/country code/area code (if required) and the numbers. Enter numbers only; **do not enter dashes, spaces, or any other character (including a plus (+) sign)**. For example, if the controller is in the US and the contact is in:
 - Harrisburg, Pennsylvania, dial: #1717XXXXXXX
 - London, England, dial: #0114420XXXXXXX
 - # is the outside line number (if required)
- **Email address**


NOTE: *To receive push notifications, use the email address used to activate each account. You can enter any email address but only the activation address enables push notifications.*

- **Message Type:** Mark the checkbox(es) next to message type(s) that this contact is to receive.
 - Call Before Texting: This parameter enables transmitting a telephone call immediately before a text message is sent (to help ensure that you are aware that alarm is about to be sent).
- **Language:** Select the language from the drop-down list.
- **Availability:**
 - Select the days on which messages are sent to the contact.
 - Define the hours in which messages are sent to the contact.
- **Permission:**

- Allow User to Reset Alarm: Select On/Off.
- Pin code for incoming calls (optional): The Pin code provides a second level of security to the alarm system. The first level of security is the contact list; only these numbers can interact with the Communicator 2.0 Plus. If a pin code is added, only someone having the code can reset the alarms, even when calling from an authorized phone number.

4. Click **Save** .

5. Other functions

- **Active/Disabled:** If you want to stop sending messages to a contact but do not want to delete the contact, select Disabled.
- **Delete a contact:** Click .

NOTE: Click on an existing contact name to edit the person's settings

7.3 Alarm and Events History

- Click Alarms History to view a view a list of alarms and information about each alarm.
- Click Events Log to view a list of events connected to the Communicator 2.0 Plus.

Alarm Settings	Alarm Contacts	Alarm History	Event History	Digital Input	Disable Alarms	
<div>Refresh</div>						
Alarm Code	Alarm Message	Alarm Date	Alarm Controller Date	Handled By Controller	Handled By Operator	Disabled Time
164	Battery Failure	07/03/2019 11:59:39	07/03/2019 11:59:39	---	✓	07/03//2019 12:00:00
164	Battery Failure	07/03/2019 11:53:03	07/03/2019 11:53:03	---	✓	07/03//2019 11:53:03
1	Low Temperature	07/03/2019 11:52:59	07/03/2019 11:52:59	---	✓	07/03//2019 11:52:59
164	Battery Failure	07/03/2019 11:50:26	07/03/2019 11:50:26	---	✓	07/03//2019 11:50:26
1	Low Temperature	07/03/2019 09:42:57	07/03/2019 09:42:57	---	✓	07/03//2019 11:50:26
1	Low Temperature	07/03/2019 06:37:57	07/03/2019 06:37:57	✓	---	07/03//2019 08:00:00
164	Battery Failure	06/03/2019 21:45:27	06/03/2019 21:45:27	---	✓	06/03//2019 21:45:27
164	Battery Failure	06/03/2019 21:44:26	06/03/2019 21:44:26	---	✓	06/03//2019 21:44:26
164	Battery Failure	06/03/2019 20:32:04	06/03/2019 20:32:04	---	✓	06/03//2019 20:32:04
164	Battery Failure	06/03/2019 20:30:34	06/03/2019 20:30:34	---	✓	06/03//2019 20:30:34
164	Battery Failure	06/03/2019 18:27:24	06/03/2019 18:27:24	---	✓	06/03//2019 18:27:24

Figure 92: Alarm History Screen

7.4 Digital Inputs

Communicator 2.0 Plus supports an eight dry contact digital input card (found in the External Box) that can be programmed as normally open / normally closed input. These inputs can be connected to a wide variety of sensors such as generator operation, magnetic door or window, thermostat, etc.

➡ Wire the devices to the external box.

1. Click the Settings icon, select Alarm System, and click the Digital Input tab.

Alarm Settings	Alarm Contacts	Alarm History	Event History	Digital Input	Disable Alarms	
DI Number	Text Message	Notification Delay (Sec.)	NC	Allow To Reset	Active	
1	Door Open	60	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
2	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
3	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
4	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
5	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
6	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
7	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
8	Not Defined	10	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Figure 93: Digital Inputs Screen

2. Fill in the following fields:

- Text message: Enter the text to be sent to the contact(s).
- Notification delay: Minimum time required to pass before a message is sent.
- NC/NO: Checking this box means that the contact is Normally Closed.
 - NC means “Normally Closed”. If there is a change from the usual state (device opens), an alarm occurs.
 - NO means normally open. If there is a change from the usual state (device closes), an alarm occurs.
- Allow to Reset:
 - When this function is not checked, Communicator 2.0 Plus sends a message to every contact (in the order given in the priority list) when an alarm is generated.
 - When checked, Communicator 2.0 Plus sends a message to the first person in the priority list. If that person acknowledges the message, no further messages are sent. If the person does not acknowledge the message, Communicator 2.0 Plus repeats the process and sends a message to the second person on the list.
- Active: When checked the alarm function for that digital input is enabled.

7.5 Disable Alarms

To disable an alarm, click the corresponding radio box.

Alarm Settings	Alarm Contacts	Alarm History	Event History	Digital Input	Disable Alarms
Alarm Type					Is Disabled
Low Temperature					<input type="checkbox"/>
High Temperature					<input type="checkbox"/>
Sensor Low Temperature					<input checked="" type="checkbox"/>
Sensor High Temperature					<input checked="" type="checkbox"/>
Emergency Low Temperature					<input type="checkbox"/>
Emergency High Temperature					<input type="checkbox"/>
Circuit Breaker High Temperature					<input type="checkbox"/>
Egg Room Low Temperature					<input type="checkbox"/>
Egg Room High Temperature					<input type="checkbox"/>
Temp Sensor Out of Range					<input checked="" type="checkbox"/>

Figure 94: Disable Alarms Screen

NOTE: All alarms are listed. However, there are alarms which cannot be disabled due to their importance.

7.6 Testing the Communicator 2.0 Plus

- To test a communication function, on the Alarm Settings screen (Figure 88) click:
 - Phone Line Test
 - Cellular Modem Test
 - COM Port(s) Test
 - Create Test Alarm
 - Send Email
 - Send Push Notifications

NOTE: Testing can also be done via the Diagnostics screen (page 71).

7.7 Responding to Alarms

Upon receiving an alarm message (voice or SMS), you can respond to the message. The following sections detail how to respond to these messages.

- Responding to an Audio Message
- Responding to a Text Message

7.7.1 RESPONDING TO AN AUDIO MESSAGE

Communicator 2.0 Plus sends voice messages to the designated people on the contact list. This section details the procedure to follow when an audio alarm is received.

NOTE: This service is provided by the Communicator 2.0 Plus ONLY if the contact is properly defined with contacts and the "VOICE" service selected per contact.

Communicator only broadcasts its alarm message AFTER someone speaks into the phone. Any word or sound is sufficient.

- Receiving the Message
- Responding to the Alarm Message

7.7.1.1 Receiving the Message

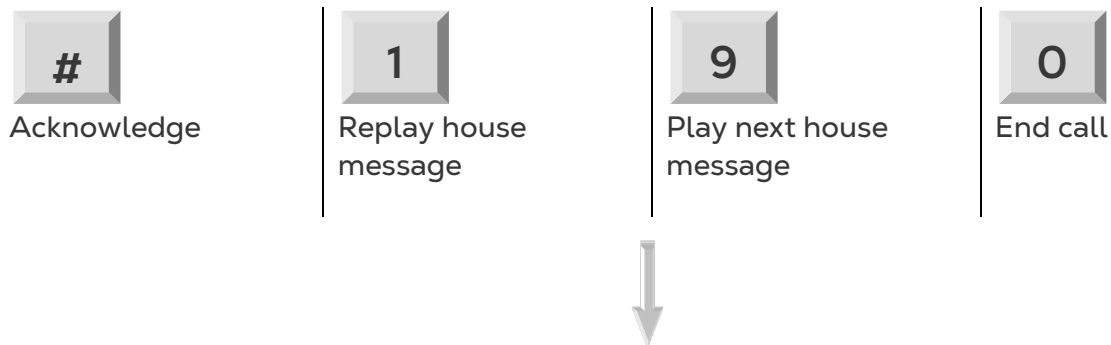
The following illustrates the sequence of **ALARM** messages:

"Good <Morning / Afternoon / Evening> farm <#> active alarm.
Please, press 1 to listen."



"House <#> has <#> alarm message<s>."

- Alarm messages for the first house are played and then the following options are available:



- Enter password (if acknowledging for the first time this call) and press *.
- "Please wait... Reset for house <#> successful. <Next Message / Goodbye>."
- When you hear "Please wait" press * to access the ALARM OPTIONS MENU.

7.7.1.2 Responding to the Alarm Message

- System reports alarm and then offers the following options:



NOTE: Disabling alarms disables them until 12:00 PM the following day.

- "Disable <confirmed / failed>!" message is repeated and returns to House Alarm Messages

NOTE: If at any time an incorrect key is pressed or if nothing is pressed, the system repeats itself three times and then ends the call.

7.7.2 RESPONDING TO A TEXT MESSAGE

This section details how to respond to a text message sent from Communicator 2.0 Plus to a mobile phone. The response can reset a siren, an alarm, or acknowledge the messages.

- Resetting the Siren
- Resetting the Alarm
- Acknowledging a Message

7.7.2.1 Resetting the Siren

NOTE: After typing the text message, press the 'Send' button to send it to the Communicator 2.0 Plus.

In the procedures below, the **highlighted text** shows the SMS text to be sent.

- Resetting the Siren of One House

!RX > 'Send SMS' to the Communicator 2.0 Plus cell phone number.

! = Start of message

R = Reset

X = Represents house number (can be any positive number from 1-64)

- Resetting the Siren of Several Houses

!RX#X#X > 'Send SMS' to the Communicator 2.0 Plus cell phone number

! = Start of message

R = Reset

X = Represents house number (can be any positive number from 1-64)

= Sign separates between every house number

- Resetting the Siren for All Houses

!RALL > 'Send' to the Communicator 2.0 Plus cell phone number

! = Start of message

R = Reset

ALL = Can be typed both in capital letters or small letters.

7.7.2.2 Resetting the Alarm

To reset all the alarms, send the following text message:

!C > 'Send' to the Communicator 2.0 Plus cell phone number

! = Start of message

C = Communicator

7.7.2.3 Acknowledging a Message

Communicator 2.0 Plus continues to send alarms until an acknowledgement is sent.

- **Requesting a Response for Every Sent Text Message**

!AON > 'Send' to the Communicator cell phone number

! = Start of message

A = Acknowledgement

- **Canceling a Response for Every Sent Text Message**

!AOFF > 'Send' to the Communicator cell phone number

! = Start of message

A = Acknowledgement

8 Diagnostics

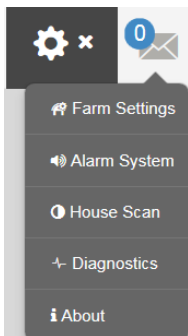
- Tests
- LEDs

8.1 Tests

Communicator 2.0 Plus 4.6.0.35 includes a basic diagnostics package.

CAUTION When switching from *Diagnostics mode* to *Normal mode*, there could be a *System Issue with closing communication port*. If there is a service interruption, reboot the *Communicator 2.0 Plus*.

- On the Activation screen click **Diagnostics**.



The following screen appears.

Diagnostics

Go Back

Serial Number

TSBG02624007
✓

Version

1.50.8.47317

Diagnostic Tests

Test Name	Test Instruction			Pass	Fail
Comm Port Connection	<ul style="list-style-type: none"> Connect Serial RS232 Cable From Controller To Comm Port 1 At The Comm-Box. Go To Communication Menu (Under Install Menu On PP Controller System in Touch Controller). Set The House Number to 1 and Baud Rate To 9600. Press the Run Test Button. Repeat Steps 1 to 4 for Comm Port 2 	Com 4 Connection <div style="border: 1px solid #ccc; padding: 2px; display: flex; align-items: center;"> 9600 ▼ </div> House Number <div style="border: 1px solid #ccc; padding: 2px; display: flex; align-items: center;"> 1 </div> <input type="checkbox"/> Repeatable	Run Test		
Internet Connection	" <ul style="list-style-type: none"> On the Comm-Box, connect the LAN cable to LAN Port 1. Click Run Test. Repeat for LAN Port 2. "		Run Test		
Connection To Rotem WEB System	" <ul style="list-style-type: none"> On the Comm-Box, connect the LAN cable to one of the LAN ports. Click Run Test. "		Run Test		
Latest Image Version Installed	" <ul style="list-style-type: none"> This test verifies that the last released image is installed in this Comm-Box This test is performed automatically "		Run Test		
TeamViewerID for the Remote Support	" <ul style="list-style-type: none"> On the Comm-Box, connect the LAN cable to one of the LAN ports. Click Run Test." "		Run Test		
Total Results:					

Alarm System Tests
Speed Test

Figure 95: Diagnostic Screen

- Use this screen and the information it supplies when speaking with technical support.
- Diagnostic Tests enables the following tests:
 - COM Port test. This option can be used to test communication between the Communicator 2.0 Plus and any house. Enter the number of the house to be tested. This test has two options:

- **Standard.** This test shows the ping time between the Communicator 2.0 Plus and the selected controller. Either a number appears or there is a failure.

Test Name	Test Instruction			Pass	Fail
Comm Port Connection	<ul style="list-style-type: none"> • Connect Serial RS232 Cable From Controller To Comm Port 1 At The Comm-Box. • Go To Communication Menu (Under Install Menu On PP Controller System in Touch Controller). • Set The House Number to 1 and Baud Rate To 9600. • Press the Run Test Button. • Repeat Steps 1 to 4 for Comm Port 2 	Com4 Connection 9600 House Number 1 <input type="checkbox"/> Repeatable	Run Test	✓ 1.2609012	

Figure 96: Standard Port Test

- **Repeatable.** This test enables verifying that the controller's communication card (RS232 or RS485) is sending and receiving signals. Click the Run Test icon and examine the controller card to ensure that its test LEDs are flashing.

Test Name	Test Instruction			Pass	Fail
Comm Port Connection	<ul style="list-style-type: none"> • Connect Serial RS232 Cable From Controller To Comm Port 1 At The Comm-Box. • Go To Communication Menu (Under Install Menu On PP Controller System in Touch Controller). • Set The House Number to 1 and Baud Rate To 9600. • Press the Run Test Button. • Repeat Steps 1 to 4 for Comm Port 2 	Com4 Connection 9600 House Number 1 <input checked="" type="checkbox"/> Repeatable	Run Test	✓ 27.481028	

Figure 97: Repeatable Test

- Lan test
- Internet tests
- Support tests
- Click Alarm System Tests:

Tests

Phone Line

Test >

Cellular Modem

Test >

Create Test Alarm

Test >

Send Email

Test >

Send Push Notification

Test >

- The Diagnostics page also includes a speed test:

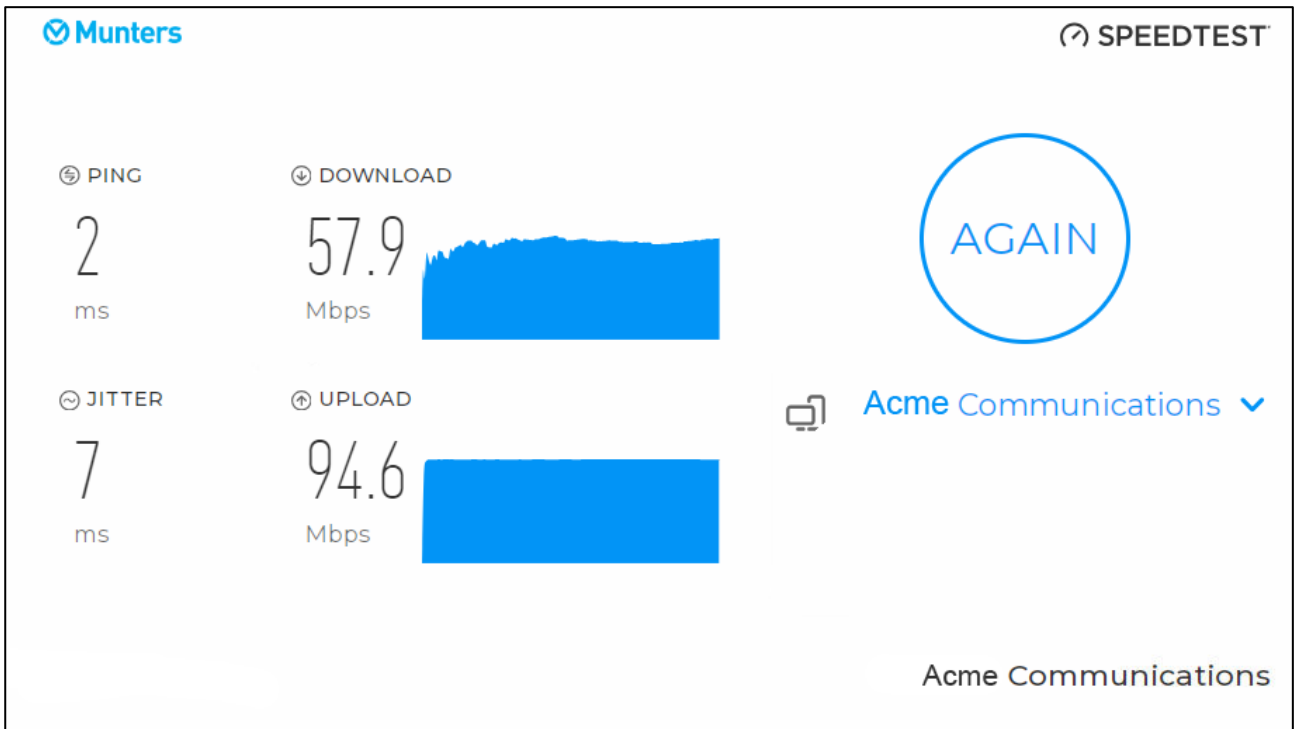










Figure 98: Speed Test Screen

8.2 LEDs

LED	Description	Diagnosis
	Power LED. Power is applied.	Should be green
	Connectivity to RLINK One	<ul style="list-style-type: none"> • No light: No modem installed • Red: Modem installed but no connectivity • Green LED: OK
	LAN signal	<ul style="list-style-type: none"> • No light: No modem installed • Red: Modem installed but no connectivity to house • Green Blinking LED: OK
	Cell phone modem	<ul style="list-style-type: none"> • No light: No modem installed • Red: Modem installed but no connectivity • Green: OK
	Telephone line	<ul style="list-style-type: none"> • No light: No modem installed • Red: Modem installed but no connectivity • Green: OK

LED	Description	Diagnosis
	Web connectivity: Tests connection to RotemNet Web application.	<ul style="list-style-type: none"> • No light: No physical connection • Red: No connectivity • Green: OK
	Active alarm	<ul style="list-style-type: none"> • Off: No active alarm(s) • On: Active alarm
	Battery	<ul style="list-style-type: none"> • Red: Battery is disconnected • Red Blinking: Battery is not charging (consult with dealer immediately) • Green Blinking LED: Battery is charging • Green: Battery is charged

9 Controller Functionality

Communicator 2.0 Plus Version 4.7.2.X enables controllers to have additional functionality that is not found when using the keyboard or touch screen.

- Modal
- Bird Inventory
- Growth Day Send to All

9.1 Modal

Communicator 2.0 Plus Version 4.7.2.X supports Modal functionality in Platinum Pro/Platinum Touch/Rotem Pro/Rotem One controllers. Modal enables defining the differential temperature in Levels of Ventilation in a range of ventilation levels. The differential level triggers the next level of ventilation according to difference from target temperature (time delays remain in effect).

NOTE: *Modal only is available when a user is connected to a controller via a Communicator 2.0 Plus or via the web. It is not available when managing the controller locally.*

- ➔ In Platinum System > Relays or System > Analog Output, define exhaust fans and tunnel fans as required.

1. Go to System > Levels of Ventilation.

Levels Of Ventilation									
Exhaust & Tunnel Fans						Vent & Curtain			
						Variable Speed Fans			
						Stir & Variable Stir Fans			
Level	On (Sec.)	Air Capacity	Diff.	Tunnel Level	Exhaust		Tunnel		
					E1	E2	T1	T2	
1	0	0	0.0	<input type="checkbox"/>	X	X	X	X	
2	0	0	0.0	<input type="checkbox"/>	X	X	X	X	
3	0	0	0.0	<input type="checkbox"/>	X	X	X	X	
4	0	0	0.0	<input type="checkbox"/>	X	X	X	X	
5	0	0	0.0	<input checked="" type="checkbox"/>	X	X	X	X	
6	0	0	0.0	<input type="checkbox"/>	X	X	X	X	

Figure 99: Levels of Ventilation Screen

2. Define the On time and the exhaust/tunnels as required (refer to the controller manuals for details). Note: Air Capacity is read-only.





Levels Of Ventilation					   			
Exhaust & Tunnel Fans		Vent & Curtain		Variable Speed Fans	Stir & Variable Stir Fans			
Level	On (Sec.)	Air Capacity	Diff.	Tunnel Level	Exhaust		Tunnel	
					E1	E2	T1	T2
1	30	2,039	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
2	45	3,058	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
3	60	4,078	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
4	30	6,626	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>
5	45	9,939	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>
6	60	13,253	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	<input checked="" type="checkbox"/>
7	0	0	0.0	<input type="checkbox"/>	X	X	X	X

Figure 100: Levels of Ventilation Screen (2)

3. Click the edit icon



4. The Set Level of Ventilation screen appears.

Set Level of Ventilation

From Level

1

To Level

1

Change

0

Set Changes **Cancel**

Figure 101: Set Ventilation Level Popup

4. Define the levels at which the differential is changed and the differential. Note: The first several levels normally have differential temperatures set to 0.

Set Level of Ventilation

From Level

4

To Level

6

Change

2

Set Changes Cancel

Figure 102: Set Ventilation Screen Defined (example)

The changes appear on the Levels of Ventilation screen.

Levels Of Ventilation

Exhaust & Tunnel Fans

Vent & Curtain

Variable Speed Fans

Stir & Variable Stir Fans

Level	On (Sec.)	Air Capacity	Diff.	Tunnel Level	Exhaust		Tunnel	
					E1	E2	T1	T2
1	30	2,039	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
2	45	3,058	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
3	60	4,078	0.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	X	X
4	30	6,626	2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>	X
5	45	9,939	2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>	X
6	60	13,253	2.0	<input type="checkbox"/>	<input checked="" type="checkbox"/>	X	<input checked="" type="checkbox"/>	X
7	0	0	0.0	<input type="checkbox"/>	X	X	X	X

Figure 103: Levels of Ventilation Screen (3)

At levels 4, 5, and 6 ventilation goes to the next level when the temperature is 2 degrees about the tunnel or target temperature (depending on if the level is below or above the tunnel level. Refer to the Platinum manuals for details).

9.2 Bird Inventory

When defining the bird inventory via Communicator 2.0 Plus, Platinum Pro/Rotem One support up to 140,000 birds per gender (the controllers support up to 99,999 birds when defining this function using the keyboard).

<div> 🏠 ☰ 14:38 Day 129 Full House 🔊 On ✉️ 2 ⋮ </div>								
<div> <div>Bird Inventory</div> <div> 📄 ✉️ 🔄 </div> </div>								
	Birds Placed	Dead Birds		Culled Birds		Birds Moved		Bird Count
		Update	Total	Update	Total	Update	Total	
♂ Male	120,000	0	38	0	0	0	0	119,962
♀ Female	139,000	0	32	0	0	0	0	138,968
Total	259,000	0	70	0	0	0	0	258,930

Figure 104: Bird Inventory Screen

9.3 Growth Day Send to All

Version 4.7.2.X enables changing the growth day in selected houses.

1. Go to Management > Growth Day & Flock.

🏠
☰
12:45
Day 392
Full House
🔊 On
✉️ 9
⋮

Growth Day & Flock

✉️
🔄

Flock Number

1 ✎

Current Growth Day

39 ✎

New Flock

Day 1 ▼

Save Changes

Send To All

Cancel

Figure 105: Growth Day & Flock Screen

2. Edit as required and click Send to All.

🏠
☰
12:46
Day 392
Full House
🔊 On
✉️ 9
⋮

Growth Day & Flock

✉️
🔄

Flock Number

1 ✎

Current Growth Day

39 ✎

New Flock

Day 1 ▼

Save Changes

Send To All

Cancel

Select target houses

<input type="checkbox"/>	House Number	House Name	Growth Day	Controller Type
<input checked="" type="checkbox"/>	1	PP6_H1	392	Platinum Pro Broiler Precision
<input type="checkbox"/>	2	PP5_H2	98	Platinum Plus Broiler Precision
<input type="checkbox"/>	3	Smart10	414	Smart

Save Changes

Cancel

Save Changes

Send To All

Cancel

Figure 106: Send to All Function

3. Select the houses in which the change applies and click Save Changes.

10 Appendix A: Changing the Battery

Munters recommends installing a new battery every two years.

- Change the battery between flocks or herds.
- Order a new battery from your dealer.

To replace the battery:

1. Disconnect the AC power.
2. On the rear panel, switch the battery to Off.

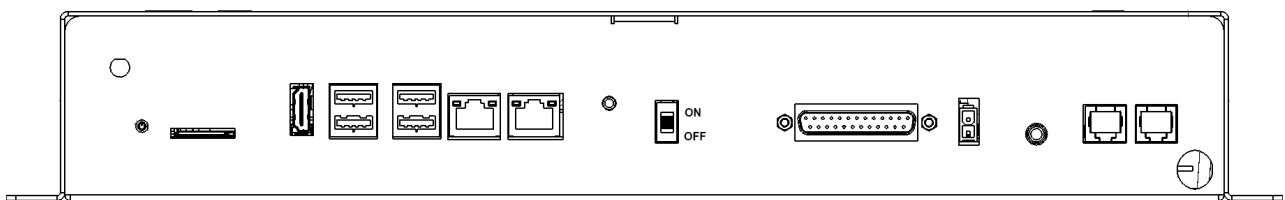


Figure 107: Battery Switched to Off

3. Disconnect all cables connected to the Communicator 2.
4. If the unit is mounted on a wall, take it down and place it on a table.
5. Remove the six screws indicated and lift the Communicator 2's top.

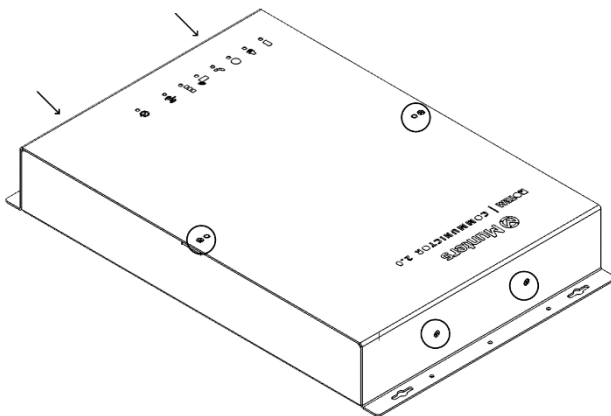


Figure 108: Screws Location

6. Using a box spanner, remove the four screws indicated (and their clamps).

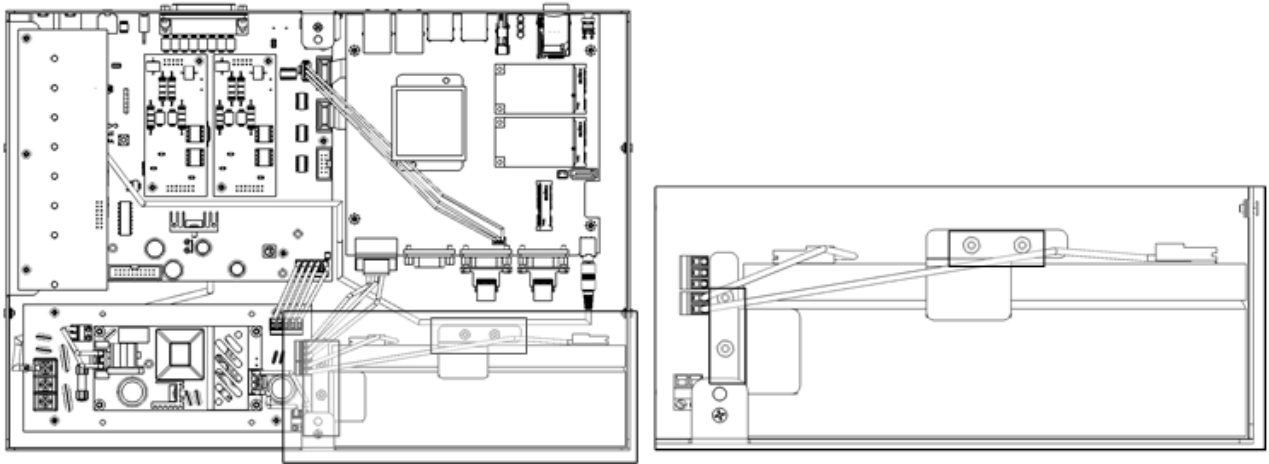


Figure 109: Screw Removal

7. Remove the red and black cables from the battery (in this order).



Figure 110: Cable Removal

8. Remove the battery and put the new battery in place.
9. Reconnect the cables.
10. Secure the battery in place.
11. Place the cover in place and insert the screws.
12. Place the unit on the wall (optional) and reconnect the cables.
13. Turn on the battery switch, apply AC power, and verify that the Power LED is lit.

11Appendix B: Generating an Activity Log

The following section details how to use the Activity Log, in particular how to determine who made changes to the controllers' settings. Please note:

- These inquiries can only be made via the web. Local connections or connecting via TeamViewer do not support this function.
- Only changes made via the web are listed! Changes made locally by the farm owner or administrator are not listed.
- Only administrators can perform this function.

1. Connect to a farm via www.rotetnetweb.com.

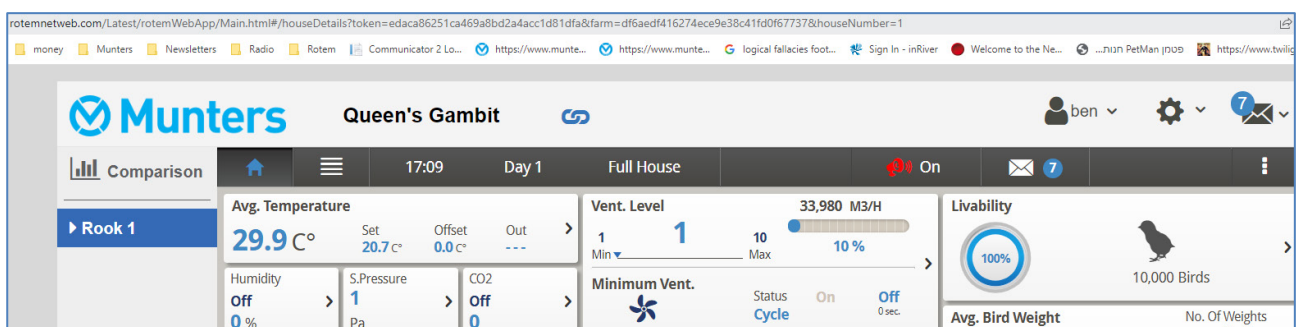
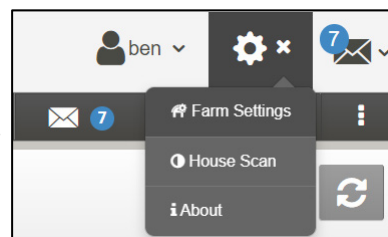


Figure 111: Dashboard Main Screen

2. Under the settings icon, click Farm Settings.



3. Click the Activity Log tab.

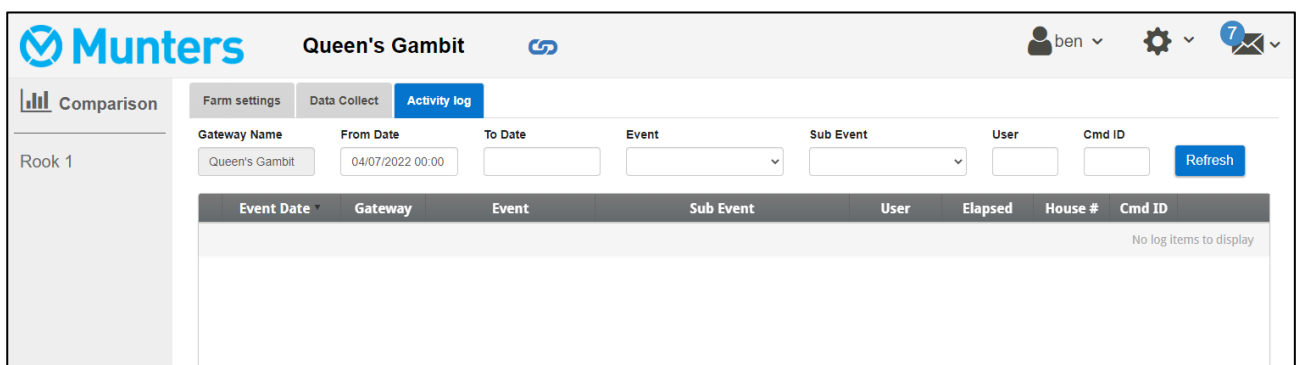


Figure 112: Activity Log Screen

4. Define as needed:

- Gateway Name: (farm name that the user chose): Read only.
- From/To: Define the time frame.
- Event:
 - To see all events, leave this field empty.
 - To see who made changes to the controller settings, choose Save Farm Data from the dropdown list.
- Sub Event: Select if required.
- User: If you are looking for a specific person's activities, type in the user name.
- Cmd ID: If you are looking for a specific change in controller settings, type in the command ID. See the list in the following table.

In the following example Event is defined as Save Farm Data. User ben made the following changes:

Farm settings

Data Collect

Activity log

Gateway Name

From Date

To Date

Event

Sub Event

User

Cmd ID

Queen's Gambit

04/07/2022 00:00

Save Farm Data

Refresh

Event Date	Gateway	Event	Sub Event	User	Elapsed	House #	Cmd ID	
04/07/22 16:09:59	Queen's Gambit	Save Farm Data	Web Request Ended	ben	263 ms	1	85	show info
04/07/22 16:09:52	Queen's Gambit	Save Farm Data	Web Request Ended	ben	250 ms	1	85	show info
04/07/22 16:09:32	Queen's Gambit	Save Farm Data	Web Request Ended	ben	250 ms	1	85	show info
04/07/22 16:08:01	Queen's Gambit	Save Farm Data	Web Request Ended	ben	2.823 sec	1	66	show info
04/07/22 16:07:35	Queen's Gambit	Save Farm Data	Web Request Ended	ben	1.776 sec	1	21	show info
04/07/22 16:06:29	Queen's Gambit	Save Farm Data	Web Request Ended	ben	1.263 sec	1	27	show info
04/07/22 15:43:37	Queen's Gambit	Save Farm Data	Web Request Ended	ben	3.366 sec	1	11	show info

Figure 113: Activity Results (example)

- 85: History feed
- 66: Fan air capacity
- 21: Event DB Property
- 27: Temp & Timer Setting
- 11: VOID (Reserved)

CMD IDs and Description		
1: Version Old	3: VOID	4: Signature
7: Active Alarm	9: VOID	11: VOID
12: Bird Inventory - READ	13: VOID	14: VOID
15: VOID	17: CO2 Treatment STD	18: VOID
19: Dosing Pump	20: PCI	21: Event DB Property
23: VOID	24: Ammonia Treatment STD	25: Relay Current

CMD IDs and Description		
27: Temp & Timer Setting	28: STD	29: VOID
30: Stir Fan Level	31: VOID	32: VOID
33: VOID	34: VOID	35: VOID
36: VOID	37: VOID	38: Light Feed
39: Water and Feed	40: Extra System	41: Static Pressure Standard
42: Static Pressure Precision	43: Control Mode	44: Bird Curve
45: History Setup	46: Levels Of Ventilation	47: Feed Calibration
48: Water Calibration	49: Setup	50: Relays Layout
51: Analog Sensors	52: Digital Sensors	53: Temp Definition
54: Curtains Setup	55: Vent And Curtain Level	56: Sys CO2 Treatment STD
57: System Parameters	58: Bird Scale Setting Bre As Bro	59: Alarm Settings
60: Sys Ammonia Treatment STD 9	61: Stir Fan Program	62: VOID
63: VOID	64: Analog Output	65: Temperature Reminder
66: Fan Air Capacity	67: VOID	68: Speed Fan Levels
69: Feed Bin Settings	70: Data Plug	72: Relays Test
73: VOID	74: Daily DB Property	75: Cage
76: EggRoomSetPoint	77: VOID	78: VOID
81: Sys Nest	83: History Temperature	84: History Humidity
85: History Feed	87: History Alarms	88: SSC Plug Play
90: Sys_ControlMode	92: Week Of Flock	93: Time
94: VOID	96: SRP HUB HW	97: Feed Inventory
98: Last 100 Weights	99: Set THI	101: Temp Curve
102: Set Rad Heater	103: Vent Level Set Point	104: Set stir fan
105: Static Pressure Set Point	106: Set Cool Pad	107: Set Point Foggers

CMD IDs and Description		
108: Set Humidity Treatment	109: Set Soft Min/Max Level	110: VentAndCurtainLevels Set Point
111: Light Set parameters	112: Active Silo	113: Emergency Set Point
114: VOID	115: Sys Minimum Vent	116: Set Relay Current
117: Bird Inventory - WRITE	118: VOID	119: Alarm DB Property
120: RDT Table	122: Test Analog Input	123: Test Digital
124: VOID	125: RDT Set Table	126: SSC HD
127: Het Key - Temperature Sensors	128: FeedQuantityUpdate	130: VOID
131: VOID	132: VOID	133: VOID
134: CO2 Set Point	135: Sys Water and Feed	137: VOID
138: VOID	139: VOID	140: VOID
141: History System Events	142: Set Bird Scale Setting BreAsBro	143: WorkRoomControl
144: EggRoom	145: VOID	146: CO2 Treatment
147: Feed Conversion	148: SRP Hub Plug And Play	149: Light No Feed
150: History View DB Property	151: New History View	152: Set Dosing Pump
153: Levels Of Ventilation - Read Only	154: Min/Max Level By Weight	155: Set Point of Min/Max Level By Weight
156: Set Point Scale Layout	157: MinVent & Ramping Set point	158: Fogger Set Point (STD)
159: Fogger STD	160: Variable Speed Fans Setting	162: STD Curtain Set up
163: set.Std_V_Speed_Fans	164: Stir Fan Set program	165: Water On Demand
166: Sys variable heat	194: Feed Scale Program	206: Light No Feed
207: Light Feed	208: Water And Feed	215: Auger Layout
216: Water And Feed By Quantity from 5.05	217: Water And Feed By Quantity	218: Set Curve

CMD IDs and Description		
222: Set Natural Program	224: Natural Program	225: Ammonia Treatment
228: Service Wind Direction	231: Ammonia Treatment SetPoint	235: Feed Line Calibration
236: Set Floor Heat	237: Light Dimmer Comm	238: Water and Feed SetPoint
239: Set Water On Demand	243: Minimum Vent Timer STD	244: Timer Settings STD
247: Temp And Timer Settings STD	248: Sys Humidity TreatmentSTD	249: Sys Curtain Calibration
255: Hot Key Natural	256: Hot Key - Lights	257: Munters Drive
258: Water Meters	260: Web OverView	261: Dash Board
262: Switches Change Confirm	263: Switch Status Array	264: Status Bar
265: Temp Reminder	266: System Security	267: Signatures
270: ReciveOnce	271: EggRoomHistory	272: HK EggRoom
273: HumidityFactorComm	274: WaterAndFeedBreeder	276: History Egg Belt
277: Fast Main Screen	278: Hot Key - Water & Feed	279: History Egg Counter
280: HK Egg Counter	284: History Ammonia	285: Hot Key - Analog Output
286: SetPoint Feed Scale	287: HK Feed Scale	288: Scale Calibration
290: Scale Layout	291: Emergency Set Comm	293: Hot Key - Scales
294: Set Analog Output	295: Feed Scale Program	296: Hot Key Feed Bin
298: Feed Scale Setting	299: HK_FeedScale	300: Hot Key - Temperature & Humidity
301: Hot Key - Curve	302: Water and Feed Set Mem23	303: Hotkey Zoon Inlet
304: Hot Key - Infra Red	305: VOID	306: Nest table
307: Hot Key - Curtains	308: Bird Weight Bre As Bro	309: Scale History Bre

CMD IDs and Description		
311: Bird Weight Bre Auto	312: Web Weight	313: Control Level By Weight Hot Key
314: Scale Test	315: FDQ Tab 1	318: HK Pump Dosing
319: TableWarning	320: Heater Duration	321: Power Consumption
322: History Heaters	323: History Mortality	324: History Water
325: SSC Power Consumption	326: SSC HK	327: FDQ Tab 2
328: History Variable Heaters	329: Hot Key Cool Ramping	330: Dosing Pump
331: Dosing Pump History	332: History Table Of Events	333: History Radiant Heaters
334: Power Meter HK	335: Munters Drive HK	336: Scale History
337: CO2 History	338: SRP Hub	

12 Appendix C: Data Collection

12.1 Centralized Collection

NOTE: Use the Centralized Collection function only after consulting with Munters technical support.

- Only the group owner or administrator can define the General Settings. The following tab does appear on any other user's screen.
- The General Settings page is an option. If data upload is to a local server only, leave these fields blank and go to Defining the FTP/SFTP server.
- The General Settings tab is viewable via the web only. It is not viewable from a local connection.

1. In the settings icon, select Farm Settings.

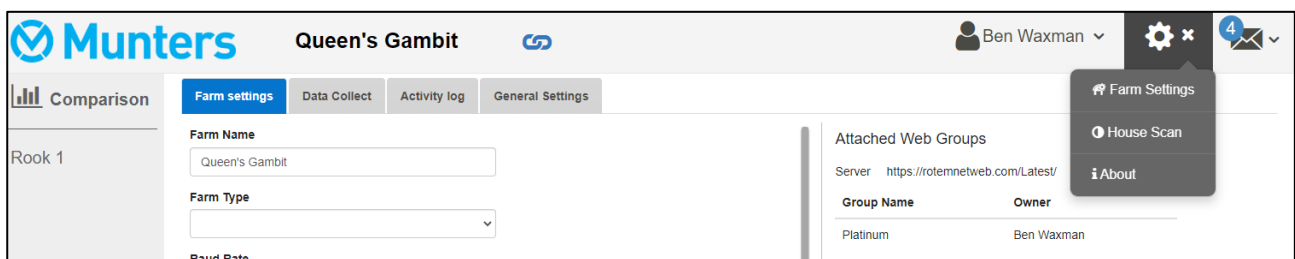


Figure 114: Farm Settings Drop Down

2. Go to Farm Settings > General Settings.

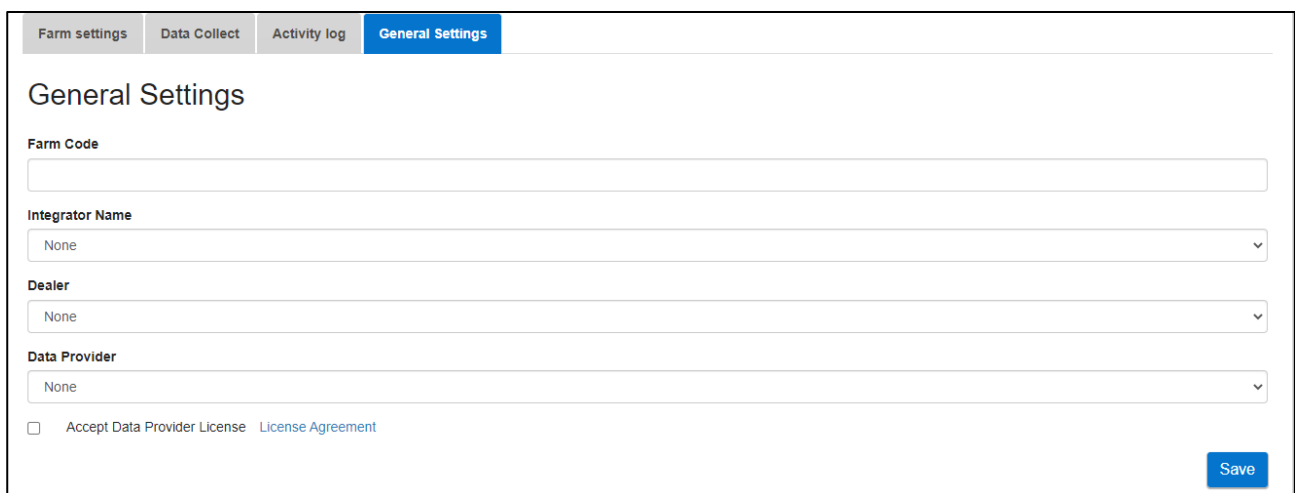


Figure 115: General Settings Screen

3. Enter the data as follows:

- Farm Code: This is a code provided by the integrator used to identify the farm.
- Integrator Name: From the drop-down list, select the required name.
- Dealer: From the drop-down list, select the required dealer name.

- Data Provider: From the drop-down list, select the required data provider.
- Accept Data Provider License. Mark this box. This box must be checked to enable centralized data collection.

4. Click Save.

General Settings

Farm Code
1234

Integrator Name
Other

Dealer
Other

Data Provider
Other

☐ Accept Data Provider License [License Agreement](#)

Save

Figure 116: General Settings – Completed (Example)

NOTE: If you click Save without marking the License radio box, the following message appears:

General Settings

Dear User, You have edited the General Settings fields. To continue using the data upload services, you must click “Accept Data Provider License”. Click No to return to the page and check the box. Click Yes to continue.

Yes No

Figure 117: License Warning

- Click No to return to the page and accept the license.
- Click Yes if you do not wish to use the data upload services.

5. Click the Data Collect tab. Refer to the following section.

12.2 Defining the FTP/SFTP server

Use this function to enable data collection to your FTP/SFTP site.

NOTE: Data Upload Allowed appears if the General Settings fields are filled out and Data Provider License accepted. If the fields are filled out but the license is **NOT** accepted data, upload is disabled.

Farm settings	External Devices	Push Notifications	Local Users	Data Collect	Activity log
<div> Data Upload Settings Log </div> <div> ▼ Data Upload Settings Data Upload Allowed </div> <div> Farm name for collect: <input type="text" value="Farm"/> </div> <div> License key: <input type="text" value="a65212f8-56a4-4bab-85d6-48b22e54cf2"/> </div> <div> Expired date: <input type="text" value="30/05/2023"/> </div> <div> Allow to change settings: <input type="checkbox"/> </div> <div> FTP SFTP <input type="checkbox"/> ⓘ </div>					

Figure 118: FTP Definition

- Data Upload Settings:
 - Check **Allow to change settings** to enable editing the page.
 - Select **FTP** or **SFTP** and check the box.
 - License key: This is a read-only field. The field is filled in automatically if you fill in the General Settings fields.
- FTP/SFTP Details: Fill in the fields as required.

- Collect Preferences:
 - Under **Select Houses**, select at least one house to enable changing Auto Collect settings.
 - Check Alarm History, VFT, and Collect Alarms every 1 minute as required.

CAUTION *Only mark the Alarm History, VFT, and Collect Alarms checkboxes if you are uploading data to a centralized collector. Anyone using a private FTP server must leave these boxes unchecked!*

- Select the output file format.
- Define the collection interval.

13 Warranty

Warranty and technical assistance

Munters products are designed and built to provide reliable and satisfactory performance but cannot be guaranteed free of faults; although they are reliable products they can develop unforeseeable defects and the user must take this into account and arrange adequate emergency or alarm systems if failure to operate could cause damage to the articles for which the Munters plant was required: if this is not done, the user is fully responsible for the damage which they could suffer.

Munters extends this limited warranty to the first purchaser and guarantees its products to be free from defects originating in manufacture or materials for one year from the date of delivery, provided that suitable transport, storage, installation and maintenance terms are complied with. The warranty does not apply if the products have been repaired without express authorisation from Munters, or repaired in such a way that, in Munters' judgement, their performance and reliability have been impaired, or incorrectly installed, or subjected to improper use. The user accepts total responsibility for incorrect use of the products.

The warranty on products from outside suppliers fitted to Communicator 2.0 Plus, (for example antennas, power supplies, cables, etc.) is limited to the conditions stated by the supplier: all claims must be made in writing within eight days of the discovery of the defect and within 12 months of the delivery of the defective product. Munters has thirty days from the date of receipt in which to take action, and has the right to examine the product at the customer's premises or at its own plant (carriage cost to be borne by the customer).

Munters at its sole discretion has the option of replacing or repairing, free of charge, products which it considers defective, and will arrange for their despatch back to the customer carriage paid. In the case of faulty parts of small commercial value which are widely available (such as bolts, etc.) for urgent despatch, where the cost of carriage would exceed the value of the parts, Munters may authorise the customer exclusively to purchase the replacement parts locally; Munters will reimburse the value of the product at its cost price.

Munters will not be liable for costs incurred in demounting the defective part, or the time required to travel to site and the associated travel costs. No agent, employee or dealer is authorised to give any further guarantees or to accept any other liability on Munters' behalf in connection with other Munters products, except in writing with the signature of one of the Company's Managers.

WARNING: In the interests of improving the quality of its products and services, Munters reserves the right at any time and without prior notice to alter the specifications in this manual.

The liability of the manufacturer Munters ceases in the event of:

- dismantling the safety devices;

- use of unauthorised materials;
- inadequate maintenance;
- use of non-original spare parts and accessories.

Barring specific contractual terms, the following are directly at the user's expense:

- preparing installation sites;
- providing an electricity supply (including the protective equipotential bonding (PE) conductor, in accordance with CEI EN 60204-1, paragraph 8.2), for correctly connecting the equipment to the mains electricity supply;
- providing ancillary services appropriate to the requirements of the plant on the basis of the information supplied with regard to installation;
- tools and consumables required for fitting and installation;
- lubricants necessary for commissioning and maintenance.

It is mandatory to purchase and use only original spare parts or those recommended by the manufacturer.

Dismantling and assembly must be performed by qualified technicians and according to the manufacturer's instructions.

The use of non-original spare parts or incorrect assembly exonerates the manufacturer from all liability.

Requests for technical assistance and spare parts can be made directly to the nearest [Munters office](#).

