



user manual

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Warranty service

Warranty service may be obtained from the Phason office location indicated in the user manual or service booklet.

Service and technical support

Phason will be happy to answer all technical questions that will help you use MaxPro Mobile.

Before contacting Phason, check the following:

- Read this manual for information about the screen with which you are having trouble.
- ◆ If you still have a problem with MaxPro Mobile, collect the following information:
 - Any messages displayed by the MaxPro Mobile software
 - A description of the problem
 - A description of what you were doing before the problem occurred



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Chapter 1: Introducing MaxPro Mobile

This chapter introduces you to MaxPro Mobile and the layout of this manual. Read this chapter before reading the rest of the manual.

Topics in Chapter 1 include:

- ◆ Introducing MaxPro Mobile
- ◆ About this manual
- ◆ System requirements

Introducing MaxPro Mobile

MaxPro Mobile is part of Phason's Auto-sort Management System that includes MaxPro II or OMNI-Sort and the PS-1 Pro Sort Scale Heads. The Auto-sort Management System is designed to enhance profits by providing tools for maximizing scale use, optimizing food court space and feeding programs, and precisely marketing animals.

MaxPro Mobile enhances and extends the range of your Auto-sort Management Software. MaxPro Mobile brings the power of the site software (*MaxPro II* or *OMNI-Sort*) right to your fingertips. With MaxPro Mobile, you can interact with the site software and the PS-1 scale heads from virtually anywhere within your barn or site.

MaxPro Mobile helps improve your operation's performance by providing maximum information and control anywhere in the barn, enabling users to make quicker and better decisions.

How the Auto-sort Management System works

PS-1 Pro Sort Scale Heads are the 'workers' of your Auto-sort Management System. The scale heads weigh the animals, collect the data, open and close the gates, and so on.

The auto-sort management software, called the "site software" is the "brain" of your system. The site software resides on the site computer and sends settings and configuration to the scale heads and collects data (such as weights) from them. There are two site software options: **MaxPro II** or **OMNI-Sort**.

MaxPro Mobile is an extension of the "brain" or site software. MaxPro Mobile allows you to change settings and configuration, or view the status of a sorter without having to be at the site computer. You can make changes to the system from anywhere within wireless range.

MaxPro Mobile features and benefits

- Convenience and portability—brings near-real-time control and data to your fingertips, anywhere, any place
- ◆ Enhanced bio-security and safety—with wireless communication, entering the barn to change settings or view reports, or entering a pen of animals to manually control a scale is not necessary; you can do it all remotely from the PDA.
- ◆ Intuitive, easy-to-use design—makes configuration and control easy
- ◆ Manual Control Viewer—allows users to quickly view the status of and manually control any sorter, ideal for testing installation and equipment

About this manual

This manual describes the features of MaxPro Mobile and how to use them. In addition to reading this manual, you should be familiar with the following:

- ◆ Microsoft® Windows™—how to perform basic functions such as opening and closing programs, finding and opening files, saving and closing files, as well as using a PDA (Personal Digital Assistant) or Pocket PC.
- MaxPro II or OMNI-Sort—how the desktop software functions, how to configure and set up sorters.
- ◆ The PS-1 scale head—how it functions, the menu system, and the equipment connected to it. For more information about the scale head, see the **PS-1 user manual**.
- ◆ The sorter—how it functions, as well as the equipment connected to it.

Styles used in this manual

- ◆ All buttons and menu commands are bolded. Multiple steps are separated by a comma. For example: Tap **OK** to save the changes.
- ◆ All filenames and directories are in a monospace font.

 For example: The default directory is \Program Files\MaxPro Mobile.

Hint/tip



This is a hint or tip. It contains helpful information that may make it easier for you to set up or use MaxPro Mobile.

Note



This is a note. It contains important information that may help you better understand MaxPro Mobile.

System requirements

The MaxPro Mobile system requires three components: a PDA (also called a Pocket PC or handheld computer), a wireless router, and a computer.

The components must match these requirements. If you have any questions before purchasing any of these components, contact Phason's Customer Support at 204-233-1400 or support@phason.ca.

Component		Requirements and notes	
PDA/handheld	Processor (CPU)	ARM-based processor, Intel® PXA270 recommended	
	Memory	(RAM) 32 MB or higher, 64 MB recommended (ROM) 64 MB or higher, 128 MB recommended	
	Operating system	Microsoft® Windows Mobile™ 2003 Second Edition or Windows Mobile™ 5.0	
	Screen resolution	Minimum 240 x 320 pixels with at least 65,536 (64K) colors	
	Communication	Integrated 802.11 wireless (Wireless-B or G) USB communication cable/cradle Microsoft ActiveSync software	
Wireless router			
	Wireless protocol	Wireless-B (802.11b) or Wireless-G (802.11g) Wireless-B and Wireless-G will work together with each other.	
Computer	Hardware	For a complete list of computer hardware requirements, contact Phason customer support.	
	Software	Must have the latest version of MaxPro II or OMNI-Sort (version 3.5.x.x only) installed Must have FileZilla installed	
Scale head	Firmware	For best performance, use firmware version 1.10. MaxPro II, MaxPro Mobile, and OMNI-Sort version 3.5.X.X are not compatible with firmware versions higher than 1.10.	



Chapter 2: Getting started

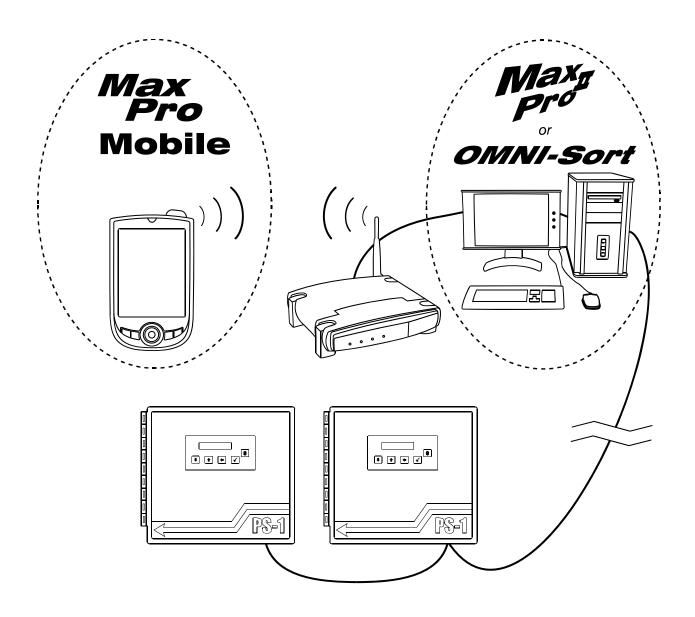
This chapter explains how to configure the wireless network and install MaxPro Mobile.

Topics in Chapter 2 include:

- ◆ Configuring your wireless network
- ◆ Installing MaxPro Mobile
- ◆ Registering MaxPro Mobile
- ◆ MaxPro Mobile screens

Configuring your wireless network

The computer, wireless router, and PDA form a wireless network. The wireless router is basically an extension for the computer that allows it to communicate using wireless technology. The PDA has built-in wireless technology. Configuring your wireless network means adjusting the configuration for the devices so they can communicate.

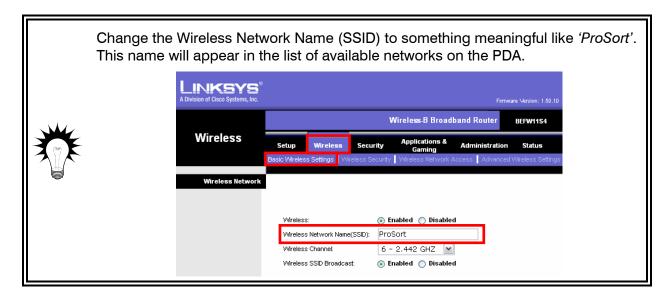




For information about connecting the computer and PS-1 scale heads, see your **PS-1 user manual**.

Configuring the router

Configuring your router requires connecting one of the router's numbered device ports (not the Internet port) to a computer and then typing the current router address in a web browser. The browser will prompt you for a user name and password. Follow the instructions that came with the router.



Configuring the PDA



For more specific instructions, follow the instructions that came with your PDA. Before configuring your PDA, make sure the wireless capability is enabled.

Wireless adapter configuration

Your PDA's wireless network adapter (WLAN) must have the following configuration.

◆ Use server-assigned IP address Yes/selected

Wireless network configuration

Your PDA's wireless network must have the following configuration.

◆ **Network name** Same as the wireless network name (SSID) of the router

◆ Device-to-device connection Not selected/No

♦ Authentication Open

◆ Data encryption Disabled

Installing MaxPro Mobile

Depending on how your PDA is configured, you need to install one or two programs on your PDA. The first program is MaxPro Mobile; the second program is Microsoft® .NET Compact Framework (Compact Framework).



Before installing the software, make sure you have a way to transfer files from your computer to your PDA and that your computer has the Microsoft ActiveSync software installed on it.

You can transfer files using a wireless or USB cable connection.

If ActiveSync is not available on an installation CD that came with your PDA, you can download it from Microsoft's web site.

Compact Framework

MaxPro Mobile requires the Microsoft .NET Compact Framework. There are two versions of the Compact Framework on the installation CD.

- ◆ If your PDA has *Windows Mobile 2003 Second Edition* as the operating system, then install the file: \Compact Framework\NETCFv2.ppc.armv4.cab.
- ◆ If your PDA has *Windows Mobile 5.0* as the operating system, then install the file: \Compact Framework\NETCFv2.wm.armv4i.cab.

It is possible that you already have the Compact Framework installed on your PDA. Before installing, check to make sure it is not already installed on your PDA.

To check which operating system is installed on your PDA

1. Tap **Start** and then select Settings. The Settings screen appears

2. Tap the **System** tab and then **About**.

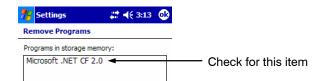
The About screen appears.



3. Tap **OK** (or **X**) until you return to the desktop.

To check if you need to install the Compact Framework

- 1. Tap **Start** and then select Settings. The Settings screen appears
- 2. Tap the **System** tab and then **Remove Programs**. The Remove Programs screen appears.



If there is something similar to the image above, then Compact Framework is already installed and you should *not* need to install it again.

3. Tap **OK** (or **X**) until you return to the desktop.

To install MaxPro Mobile

- 1. Insert your MaxPro Mobile CD into the computer's CD-ROM drive.
- 2. Copy the file MaxProMobile. CAB from the computer to the PDA. If you need to install the Compact Framework, copy the appropriate file to the PDA. For more information, see **Compact Framework** on page 8.
- 3. On the PDA, tap the MaxPro Mobile installation file and then follow any instructions on the screen.
 - MaxPro Mobile installs on the PDA.
- 4. If you need to install the Compact Framework, on the PDA, tap the Compact Framework installation file and then follow any instructions on the screen.

 The Compact Framework installs on the PDA.
- 5. Tap **OK** (or **X**) until you return to the desktop.



If you receive any error messages while installing, call your dealer or Phason Customer Support.

Registering MaxPro Mobile

After installing MaxPro Mobile you need to register the program. You cannot run MaxPro Mobile without registering it.

To register MaxPro Mobile, you need a product key. To get a product key, you must fax, mail, or phone Phason Customer Support with the information from your registration form.



If your PDA has had a 'hard reset' or battery failure after MaxPro Mobile has been installed, you will need to reinstall the software and get a new product key from Phason.



Use the MaxPro Mobile registration card when entering your registration information. Your serial number is printed on the card.

To register MaxPro Mobile

- 1. Print your registration information on the MaxPro Mobile registration card that was provided with your software. Leave the Machine ID and Product Key sections empty for now.
- Start MaxPro Mobile
 If the program has not been registered, the MaxPro Mobile Registration screen appears.



- 3. Beside each item, enter the required information. Scroll down and make sure you enter all the required information.
- 4. After you have entered the all the correct information, tap **Submit**. The Product Key screen appears.
- 5. Print your machine ID (see the Product Key screen) on the registration card and then fax, mail, or call Phason with your registration information. Phason Customer Support will provide you with a product key. For Phason contact information, see your MaxPro Mobile registration card.



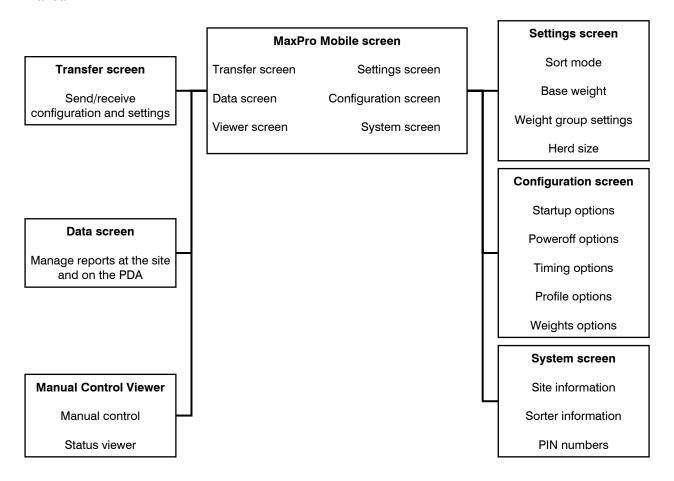
If you cannot immediately contact Phason, you can close MaxPro Mobile by clicking **OK**.

The next time you start the program, the MaxPro Mobile Registration screen will appear with your information filled in.

- 6. On the Product Key screen, enter the product key supplied to you by Phason.
- 7. Tap **Submit** to complete the registration.

MaxPro Mobile screens

There are seven main screens in MaxPro Mobile. You can get to all the screens from the main MaxPro Mobile screen. There are detailed descriptions of each screen and its functions later in the manual.



MaxPro Mobile Main screen

The MaxPro Mobile screen is the first screen you see when you start MaxPro Mobile. From the MaxPro Mobile screen you can get to all screens by tapping on the appropriate button.



The first time you run MaxPro Mobile, or when there is no information available, all buttons except Data and Transfer are disabled.

Before you can access other areas of the program, you need to get information from the site computer. For more information see Transfer on page 13 or on page 16.



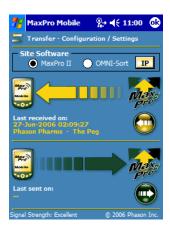
Transfer screen

The Transfer screen is where you send and receive configuration and settings from sites. You will need to use the Transfer screen regularly to 'synchronize' the settings between the PDA and the site computer.

At the top of the screen, you can select the type of software at the site and the enter IP address of the site computer.

The middle section allows you to get (receive) the settings and configuration from the site computer. The bottom section allows you to send the settings and configuration to the site computer.

For more information about transferring configuration and settings, see **Transferring settings and configuration** on page 16.



Sorter Settings screen

The Sorter Settings screen is where you select the mode, adjust weight group settings, and enter herd information.

The Sorter Settings screen looks different depending on which mode is selected. The example to the right shows auto-sort mode.

For more information about sorter settings, see



Chapter 4: Using your sorting system on page 35

System Information screen

The System Information screen is where you configure system options and PIN numbers, and add scales. There are three tabs on the System Information screen.



- ♦ Site
- ◆ Sorters
- ♦ PINS

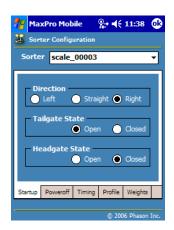
The example on the right is the screen for a MaxPro II site. For more information about system information, see **Configuring system information** on page 19.

Sorter Configuration screen

The Sorter Configuration screen is where you configure sorters. There are five tabs on the Configuration screen. The example on the right shows the Startup tab.

- ♦ Startup
- ◆ Poweroff
- ◆ Timing
- ◆ Profile
- ◆ Weights

For more information about sorter configuration, see **Configuring sorters** on page 24.

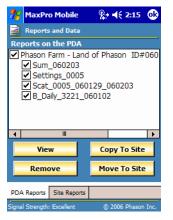


Reports and Data screen

The Reports and Data screen is where you manage reports and data files on the PDA and at the site. There are two tabs on the Reports and Data screen. The example on the right shows the PDA Reports tab.

- ◆ PDA Reports
- ◆ Site Reports

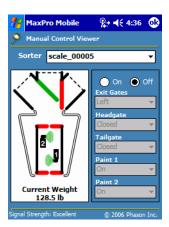
For more information about managing reports and data, see **Managing reports** on page 48.



Manual Control Viewer

The Manual Control Viewer is where you view the status of sorters and can control them using manual mode.

For more information about using the Manual Control Viewer, see **Using** the Manual Control Viewer on page 46.





Chapter 3: Configuring your sorting system

This chapter explains how to configure MaxPro Mobile and the PS-1 scale heads.

Topics in Chapter 3 include:

- ◆ Transferring settings and configuration
- ♦ Configuring system information
- ◆ Configuring sorters

Transferring settings and configuration

Transferring settings and configuration is one of the most common and important things you will do using MaxPro Mobile. Transferring settings and configuration makes sure that the PDA (MaxPro Mobile) and the site computer (running MaxPro II or OMNI-Sort) are working with the same information.

The first time you run MaxPro Mobile, or when there is no information available, all buttons except **Data** and **Transfer** are disabled.



Before you can access other areas of the program, you need to get information from the site computer.

Before transferring settings and configuration, you must have a working wireless connection and a strong enough signal. The signal strength is shown in the bottom-left corner of the Transfer screen.



Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.

How the Auto-sort Management System works

The PS-1 scale heads are the 'workers' of your Auto-sort Management System. The scale heads weigh the animals, collect the data, open/close the gates, and so on.

The site software is the "brain" of your system. The site software sends settings and configuration to the scale heads and collects data (such as weights) from them.

MaxPro Mobile is an extension of the site software. It allows you to change settings and configuration, or view the status of a sorter without having to be at the site computer. You can make changes to the system from anywhere within wireless range.

MaxPro Mobile communicates with the site software. If you change the settings for a scale head on MaxPro Mobile, you need to send the changes to the site software, which then sends them to the scale head.

For more information about the Auto-sort Management System, see **Configuring your wireless network** on page 6.

Multiple sites—site software and IP addresses

The transfer screen is also where you select the type of software the site is using and enter the IP address of the site computer.

MaxPro Mobile allows you to work with multiple MaxPro II and OMNI-Sort sites. When working with both types of sites, you need to tell MaxPro Mobile which type of site you are at.

If the IP addresses of the site computers are different, you will need to enter the address of the site computer each time you go to a site with a different IP address.

For more information about IP addresses and networks, see **Configuring your wireless network** on page 6. For information about changing the IP address MaxPro Mobile communicates with, see page 18.

If you get a communication error when trying to send or receive information from the site computer:



- You have a poor signal or there has been an interruption in communications. Move closer to the wireless router and then trying again.
- You might be trying to "talk" with the wrong computer. Make sure the IP address is correct and then try again.

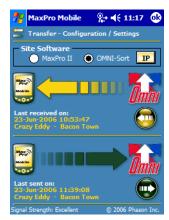


To transfer settings and configuration between the PDA and site computer

1. On the Main screen, tap **Transfer**. The Transfer screen appears.

The screen shows which type of site software is selected. If the correct site software is not shown, under Site Software, select the software that is running on the site computer before going to step 2.





О



If you are at a site that has a different IP address than the previous site, you need to enter the IP address of the current site. For more information, see **To change the IP address** on page 18.

- 2. To transfer settings and configuration from the site computer to the PDA (receive), tap the top image. To transfer settings and configuration from the PDA to the site computer (send), tap the bottom image.
 - A Confirmation screen appears.
- 3. To transfer the settings and configuration, tap **Yes**. To cancel and return to the Transfer screen, tap **No**.
- 4. Tap **OK** to return to the Main screen.

To change the IP address

1. On the Transfer screen, tap **IP**. The Site IP Address screen appears.



- 2. Enter the IP address of the site computer and then tap Ping Address.
 - ◆ If the PDA can successfully communicate with the IP address, you will see a "Success" message similar to below.



◆ If the PDA cannot communicate with the IP address, you might see a "Timed Out" message similar to below.



If the PDA cannot communicate with the site computer, check to make sure you entered the IP address correctly. If the IP address is correct, check your wireless settings. For more information, see **Configuring your wireless network** on page 6.

3. Tap **OK** to return to the Transfer screen.

Configuring system information

Configuring the system information means configuring system and site-wide options. These are options that are used within all areas of the software.

System information is divided into three sections:

- ◆ Site information
- Sorters
- ◆ PINs

Configuring site information

Site information applies to all sorters at a specific site. There are five site information items:

- ♦ Farm name
- ◆ Location
- ◆ Download interval*
- Weight units
- * (MaxPro II sites only)

Farm name and location

Farm name is the name of the farm, company, or site. This name appears at the top of all reports. In addition, you can enter a location.

MaxPro Mobile cannot edit this information for OMNI-Sort sites. To edit this information at an OMNI-Sort site, use the OMNI-Sort software.

Download interval

Weight readings are stored on each scale head. The download interval is how often MaxPro II downloads weight readings and any herd size adjustments that were done at the scale head. The default is once per hour.

The download interval also affects how often the daily statistics are updated on the PS-1. If the download interval is one hour, then the statistics are updated each hour. For more information, see the **PS-1 user manual**.

OMNI-Sort does not use the download interval setting.

Weight units

Weight units is the unit of measure used in all software screens and reports.

To configure site information

On the Main screen, tap System.
 The System Information screen appears. The MaxPro II version is shown below.



2. Enter or select each item you want to change and then tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Adding, editing, and removing sorters

Before configuring sorters, you have to add them to your system. Adding a sorter means telling the software the address of the scale head that controls the sorter and giving the sorter a name.

MaxPro Mobile can edit but not add or remove sorters (called sort groups in OMNI-Sort) for OMNI-Sort sites. If you need to add or remove sort groups for an OMNI-Sort site, use the OMNI-Sort software.

Sorter address

An address is a unique eight-digit code the software uses to locate and identify the scale head. The scale head is programmed with an address before it leaves the factory. To find out the address for a scale head, see your **PS-1 user manual**.

Sorter description

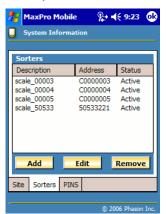
A description is easier to remember than the address of a scale head. The name you give the sorter is how you will refer to the sorter in the software. Give the sorters short, meaningful names so that you can identify them.

Active and inactive sorters

Another useful function is the ability to activate or deactivate a sorter. When a sorter is active, the site software sends and receives information from it normally. When a sorter is inactive, the software does not send or receive any information from it, and it will not display on any of the other screens in MaxPro Mobile.

To add sorters (MaxPro II sites only)

1. On the Main screen, tap **System** and then tap the **Sorters** tab. The System Information screen appears.



The Add and Remove buttons are not available for OMNI-Sort sites.

2. Tap Add.

The sorter identification screen appears.



- 3. Under Address, enter the address of the scale head.
- 4. Under Description, enter a useful name for the sorter.
- 5. Under Status, select whether the new sorter is active or inactive.
- 6. Tap **OK** to save the information and return to the System Information screen.
- 7. Repeat steps 2 to 6 for each sorter you want to add.
- 8. Tap **OK** to return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

To edit, activate, or deactivate sorters

- 1. On the Main screen, tap **System** and then tap the **Sorters** tab. The System Information screen appears.
- 2. Tap Edit.

The sorter identification screen appears.

- To change the address or description, remove the current text and then enter the new information.
- To activate or deactivate the sorter, select or Active or Inactive.
- 3. Tap **OK** to save the changes and return to the System Information screen.
- 4. Tap **OK** to return to the Main screen.



If you replace a PS-1 display, the address for the scale head changes. You will need to edit the sorter and change the address.

The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

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To remove sorters (MaxPro II sites only)

- On the Main screen, tap System and then tap the Sorters tab.
 The System Information screen appears.
- 2. Select the sorter you want to remove and then tap **Remove**. A Confirmation screen appears.
- 3. To remove the sorter, tap **Yes**. To cancel and return to the Sorter Information screen, tap **No**.
- 4. Tap **OK** to return to the Main screen.



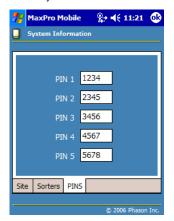
When you remove a sorter on the PDA, the site computer removes it immediately. Removing a sorter does not require a transfer.

Configuring PINs

PINs are four-digit security numbers that users must enter when accessing the Advanced Menu at the PS-1 scale head. There can be up to five PINs; each scale head at a site uses the same PINs.

To configure PINs

1. On the Main screen, tap **System** and then tap the **PINS** tab. The System Information screen appears.



- 2. Beside each PIN you want to change, remove the current number and then enter the new PIN.
- 3. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Configuring sorters

Unlike settings, which change as the animals grow in size, sorter configurations usually remain the same. Configuring sorters includes telling the scale heads if the sorters are two or three-way sorters, the default positions for gates, and how long to wait for gates to open or close during sorting.

There are five sorter configuration sections:

- ◆ Startup gate positions when the scale heads power up
- ◆ Poweroff gate positions when there is no power to the scale head
- ◆ Timing timing of the gate and painter operations
- ◆ Profile type of sorter, active sensors
- ◆ Weights for determining if an animal is on the scale



Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.

Configuring profile options

The sorter profile lets the PS-1 scale head know how the sorter is set up and which sensors are active. There are four profile items:

- ◆ Sorter type
- ◆ Tail sensor
- Head sensor
- ◆ Default sort direction

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Sorter type

The sorter type option lets the scale head know if the sorter is a two-way or three-way sorter. Selecting the wrong type can cause the sorter to operate erratically. *Default*: three-way

Tail sensor

The tail sensor option lets the scale head know if the tailgate sensor is enabled or disabled. *Default*: enabled (on)

Head sensor

The head sensor option lets the scale head know if the headgate sensor is enabled or disabled. *Default*: enabled (on)

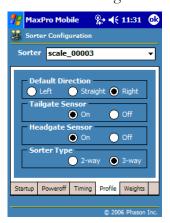
Default sort direction

MaxPro uses the default sort direction to sort any animal that cannot be weighed properly for whatever reason (too light, too heavy, error, and so on). Any animal that does not fit into a weight category will be sorted in the default sort direction.

Default: Left

To configure sorter profiles

1. On the Main screen, tap **Configuration** and then tap the **Profile** tab. The Sorter Configuration screen appears.



- 2. Beside Sorter, select the sorter you want to configure.
- 3. Under each item you want to change, select the option (On/Off, 2-way/3-way) you want.
- 4. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Configuring startup options

MaxPro uses the startup options to position the gates on the sorter when the PS-1 scale head starts (powers) up.

There are three startup items:

- ◆ Sort direction
- ◆ Tailgate state
- ♦ Headgate state

Sort direction

The sort direction determines the position (left, right, or straight) of the exit gates (or 'gate' with two-way sorters) when the PS-1 starts up. Left means the left gate is open and the right gate is closed. Right means the right gate is open and the left gate is closed. Straight means the left and right gates are closed (three-way sort only). Default: right

Tailgate state

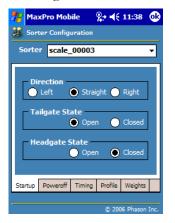
The tailgate state determines the position (open or closed) of the tailgate when the PS-1 starts up. *Default*: open

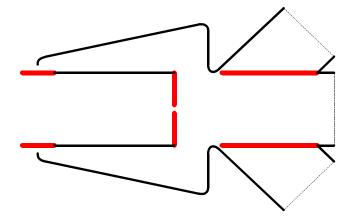
Headgate state

The headgate state determines the position (open or closed) of the headgate when the scale head starts up.

Default: closed

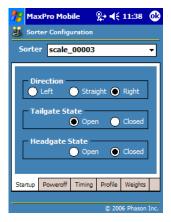
For example, when the PS-1 starts up after a power failure, it positions the gates according to the startup configuration. If the configuration is set like the sample on the left below, the scale head will position the gates as follows: sort direction—straight; tailgate—open; headgate—closed.





To configure startup profiles

1. On the Main screen, tap **Configuration**. The Sorter Configuration screen appears.



- 2. Beside Sorter, select the sorter you want to configure.
- 3. Under each item you want to change, select the option (Open/Closed, Left/Straight/Right) you want.
- 4. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Configuring poweroff options

The poweroff options are a reference for all gate functions. The poweroff options are the positions of the gates when there is no power to the PS-1.



The hoses connected to the PS-1 solenoid MUST match the poweroff configuration or the sorter will function erratically.

For more information, see *Connecting equipment to the solenoid* in the **PS-1 user** manual and installation guide.

There are three poweroff items:

- ♦ Sort direction
- ◆ Tailgate state
- ♦ Headgate state

Sort direction

The sort direction determines the position (left, right, or straight) of the exit gates (or gate with two-way sorters) when there is no power to the PS-1. Left means the left gate is open and the right gate is closed. Right means the right gate is open and the left gate is closed. Straight means the left and right gates are closed (three-way sort only). *Default*: left

Tailgate state

The tailgate state determines the position (open or closed) of the tailgate when there is no power to the PS-1.

Default: closed

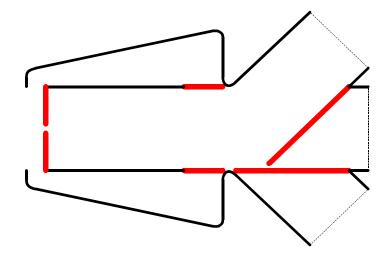
Headgate state

The headgate state determines the position (open or closed) of the headgate when there is no power to the PS-1.

Default: open

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For example, when there is no power to the PS-1, the gates position according to how the hoses are connected to the solenoids. The poweroff configuration *MUST* match the gate positions. If the gates position like the sample on the left below when the power is off, the configuration must be set as follows: sort direction—left; tailgate—closed; headgate—open.





To configure poweroff options

- 1. On the Main screen, tap **Configuration** and then select the **Poweroff** tab. The Sorter Configuration screen appears.
- 2. Beside Sorter, select the sorter you want to configure.
- 3. Under each item you want to change, select the option (Open/Closed, Left/Straight/Right) you want.
- 4. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Verify the configuration matches the hose connections on the sorter by switching off the power to the scale head.

Configuring weight options

MaxPro uses the weight options, along with the base weight (for more information, see **Base weight** on page 38), to determine if there is a valid weight (in other words an animal) on the scale. If there is a valid weight, the weighing and sorting process begins. If there is not a valid weight, the scale head ignores the weight reading.

There are two weight items: variance and samples.

Variance

Variance determines a range that a weight reading must fall within, when compared to the previous reading, to be considered valid. Setting the variance lower results in more-accurate readings, but also means that fewer readings will be valid. Because the animals do not always stand still on the scale, some variance is necessary.

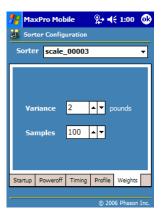
Default: 2 pounds/1 kilogram; Range: 1.0 to 10.0 pounds/0.5 to 4.5 kilograms

Samples

The PS-1 reads the weight from the load cell (scale) approximately 120 times per second. Samples is the number of consecutive weight readings required before a valid weight is determined.

Default: 100; Range: 25 to 255

For example, if the weight options were set like the sample below, and the base weight was 40 pounds, the PS-1 would process the weight readings as follows.



If the scale registers a weight of 5 pounds, it would not be considered a valid weight. If an animal weighing 50 pounds enters the scale, it is above the base and the weighing process begins.

The PS-1 reads the weight from the scale approximately 120 times per second and continuously averages the readings, or 'samples'. If samples is set to 100, the PS-1 requires 100 weight readings to determine a valid weight.

If the variance is 2 pounds, then each successive weight reading must be within (+/-) 2 pounds of the previous reading to be valid.

Sample 1: 50.0 Check the variance between these two samples/weight readings 50.5 Check the variance between these two samples 51.5 Check the variance between these two samples 51.0 Check the variance between these two samples 50.5 Check the variance between these two samples 51.0 Check the variance between the variance between these two samples

To configure weight options

- 1. On the Main screen, tap **Configuration** and then select the **Weights** tab. The Sorter Configuration screen appears.
- 2. Beside Sorter, select the sorter you want to configure.
- 3. Beside each item you want to change, tap the **Up** or **Down** arrows to change the value.
- 4. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Configuring timing options

Sorter timing determines how the PS-1 operates the sorter equipment during the weighing and sorting process. Sorter timing includes the amount of time the scale head waits for something to happen such as an animal to move off the scale, or operates equipment such as a painter.

There are three categories of timing options:

Tailgate operation

- ◆ Tailgate open duration
- Lazy pig delay
- ◆ Chaser duration

Headgate operation

- ◆ Headgate open duration
- ◆ Headgate close duration
- Headgate retry delay
- ♦ Headgate retries

Painter operation

Paint duration

Tailgate operation

Tailgate open duration

Tailgate open duration is the amount of time the tailgate remains open to allow an animal to move onto the scale. The tailgate open duration starts after the PS-1 has determined there is an animal on the scale.

Default: 1.0 second; Range: 0 to 25.5 seconds

Lazy pig delay

Lazy pig delay is the amount of time the PS-1 waits for the animal to move off the scale before sending in a 'chaser pig'.

Default: 180 seconds; Range: 1 to 255 seconds

Chaser duration

Chaser duration is the amount of time the tailgate remains open to allow a chaser pig into the sorter to chase the lazy pig out the exit.

Default: 3 seconds; Range: 1 to 255 seconds

Headgate operation options

Headgate open duration

Headgate open duration is the amount of time the headgate remains open to allow an animal to move off the scale.

Default: 2.0 seconds; Range: 0.1 to 25.5 seconds

Headgate close duration

Headgate close duration is the amount of time the PS-1 waits for the headgate to close before either reopening the gate or completing the sorting process.

Default: 1.0 second; Range: 0.8 to 25.5 seconds

Headgate retry delay

Headgate retry delay is the amount of time the PS-1 leaves the headgate open to allow an animal to move before trying to close the gate again.

Default: 1.0 seconds; Range: 0 to 25.5 seconds

Headgate retries

Headgate retries is the number of times the PS-1 will try to close the headgate before opening the tailgate and allowing a chaser pig into the scale.

Default: 10 attempts; Range: 0 to 255 attempts

Painter operation options

Paint duration

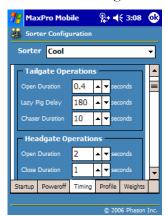
Paint duration is the amount of time the PS-1 operates (sprays) the painter when that sort action is required.

Default: 0.5 seconds; Range: 0.1 to 25.5 seconds

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To configure timing options

1. On the Main screen, tap **Configuration** and then select the **Timing** tab. The Sorter Configuration screen appears.



- 2. Beside Sorter, select the sorter you want to configure.
- 3. Beside each item you want to change, tap the **Up** or **Down** arrows to change the value.
- 4. Tap **OK** to save the changes and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.



Chapter 4: Using your sorting system

This chapter explains how to program the settings and some of the other features you will use on a regular basis.

Topics in Chapter 4 include:

- ◆ Selecting the sorter mode
- ◆ Tracking herd information
- ◆ Using the Manual Control Viewer
- ♦ Managing reports

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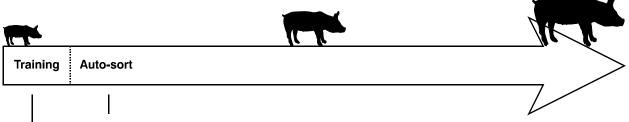
Selecting the sorter mode

There are four 'modes' of operation in MaxPro. The table below explains the uses of each mode. More-detailed information about each mode is available later in the manual.

Mode of operation	Description and uses
Training	 Is for getting new animals used to moving through the sorter Bypasses the weighing and sorting process Does not store weight records
	For more information, see Using training mode on page 39.
Auto-sort	 ♦ Is the PS-1's normal mode of operation ♦ Can have between two and seven sort groups ♦ Uses adjustable sort group settings to direct and/or paint a sorted animal ♦ Can use sort limits to separate a certain number of animals by weight ♦ Stores weight records for use in reports
	For more information, see Using auto-sort mode on page 39.
Smart staging	 ♦ Uses programmable two or three-way splitting percentages to keep food courts from being overcrowded or underused ♦ Automatically calculates sorting weights each day at midnight using the previous five days of weight data ♦ Stores weight records for use in reports ♦ Does not use sort limits
	For more information, see Using smart staging mode on page 43.
Manual control	 ♦ Is for testing equipment and installation ♦ Does not store weight records
	For more information about Manual control mode, see
	Using the Manual Control Viewer on page 46.

The timelines on page 37 show two different options for modes of operation as the animals arrive, grow, and are shipped out.

Timeline 1: Training and auto-sort modes

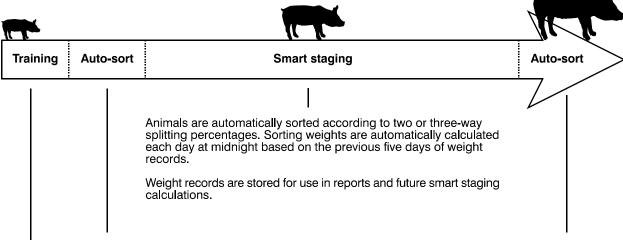


Animals are automatically sorted according to sort group settings. Animals can be separated for market (or other reasons) using sort limits.

Weight records are stored for use in reports and smart staging calculations. A minimum of four days of weight records are required before smart staging can be used.

New animals enter the barn and are trained to get used to the sorter.

Timeline 2: Training, auto-sort, and smart staging modes



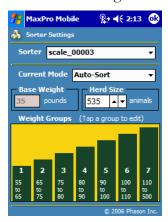
Animals are automatically sorted according to sort group settings. Animals can be separated for market (or other reasons) using sort limits.

Weight records are stored for use in reports and smart staging calculations. A minimum of five days of weight records is recommended before smart staging can be used.

New animals enter the barn and are trained to get used to the sorter.

To select the sorter mode

1. On the Main screen, tap **Settings**. The Sorter Settings screen appears.



- 2. Beside Sorter, select the sorter you want to set up.
- 3. Beside Current Mode, select the mode you want.



If you want to change the settings for the selected mode, tap one of the weight group bars on the bottom of the screen. For more information, see:

- ♦ Using auto-sort mode on page 39
- ♦ Using smart staging mode on page 43
- 4. Tap **OK** to save the change and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Base weight

The base weight helps determine if an animal is on the scale. If the weight reading is heavier than the base weight, the scale head assumes there is an animal on the scale and starts the weighing process. If the weight reading is lighter than the base weight, the scale head ignores the reading.

The base weight is calculated automatically and cannot be changed.

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Using training mode

Training mode is the first mode you should use when new animals arrive. Training mode allows new animals to get used to moving through the sorter without the weighing and sorting process.

In training mode, the headgate and tailgate remain open. This allows the animals to freely pass through the sorter without having to wait for gates to open and close and to be weighed.

MaxPro automatically changes positions of the exit gates four times each day at midnight, 6:00 AM, noon, and 6:00 PM.

- 1. At the start of training mode, the gates change positions and the animals exit to the left.
- 2. At the next change time (see above), the gates change positions and the animals exit to the right.
- 3. After six hours, the gates change positions and the animals exit straight ahead.
- 4. After six more hours, the gates change positions and the process repeats.



The status display on the PS-1 scale head shows Trainig... when the PS-1 is in training mode. For more information, see your **PS-1 user manual**.

Using auto-sort mode

Auto-sort mode is the PS-1's normal, default mode of operation. Auto-sort mode stores weight records for use in reports and is useful for when you want to separate a certain number of animals by weight. For more information about when to use auto-sort mode, see **Selecting the sorter mode** on page 37.

In auto-sort mode, each sorter can have seven weight groups. The settings for each weight group determine how the sorter will direct and/or paint a sorted animal. You can add, edit, and remove auto-sort weight groups and adjust the settings for the groups. Unlike smart staging mode (see page 43), auto-sort mode does not automatically recalculate weight group settings as the animals grow.

There are four weight group settings:

- Minimum weight
- Normal action (sort direction and paint operation)
- ◆ Market action (sort direction and paint operation)
- Sort limit

Minimum weight

The minimum weight setting is the minimum weight of an animal that should be sorted into the weight group. The minimum weight for Group 1 cannot be lower than 20 pounds (9 kilograms).

Normal action

The normal action setting is the sort action required for all animals that fit into the weight group when there is no sort limit or after the sort limit has been reached.

Sort limit

The sort limit setting is the maximum number of animals that can be sorted using the market action for the weight group. Any animals after that will be sorted using the normal action.

When a sort limit is defined for a weight group, each time an animal that fits within that group passes through the sorter, the number of animals remaining to be sorted decreases by one until no more animals are required.

Market action

Market actions are active only if there is a sort limit. The market action setting is the action required for all animals that fit into the weight group when there is a sort limit that has not been reached.

For example, let's use the auto-sort settings shown below.

Weight group	Minimum weight (pounds)	Normal sort action	Sort limit	Market sort action
1	150	Left/Paint 1	0	None
2	160	Left	0	None
3	170	Straight/Paint 2	0	None
4	180	Straight	10	Right/Paint 1/Paint2
5	500	Left	0	None
6	500	Left	0	None
7	500	Left	0	None

- ◆ Animals that cannot be weighed properly for whatever reason—too light, too heavy, error, and so on—will be sorted in the default sort direction. For more information, see **Configuring profile options** on page 24.
- ◆ Animals weighing between 150 and 160 pounds will be in 'weight group 1'. The animals will be sorted left and painted using painter 1.
- ◆ Animals weighing between 160 and 170 pounds will be in 'weight group 2'. The animals will be sorted left and not painted.
- ◆ Animals weighing between 170 and 180 pounds will be in 'weight group 3'. The animals will be sorted straight and painted using painter 2.
- ◆ Animals weighing over 180 pounds will be in 'weight group 4'. The first 10 animals will be sorted right and painted using both painters. Any additional animals will be sorted straight and not painted.
- ◆ Because 500 pounds is the maximum the scale can read, setting the remaining weight groups to 500 disables those groups.

Auto-sort mode defaults

When you first set up a new scale head, it has default values for the weight group settings. You must edit the settings of the groups so they work with the animals in your barn. The default sort group settings are as follows:

Weight group	Minimum weight (pounds / kilograms)	Normal sort action	Sort limit	Market sort action
1	40 / 18	Left	0	None
2	70 / 32	Left	0	None
3	140 / 64	Left	0	None
4	170 / 77	Left	0	None
5	210 / 95	Left	0	None
6	500 / 227	Left	0	None
7	500 / 227	Left	0	None



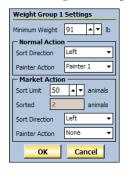
Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.

To edit auto-sort settings

1. On the Main screen, tap **Settings**. The Sorter Settings screen appears.



- 2. Beside Sorter, select the sorter you want to set up.
- 3. If the Current Mode is not Auto-Sort, then select Auto-Sort.
- 4. Under Weight Groups, tap the group you want to change. The Weight Group Settings screen appears.





After the screen appears, there is a short delay while MaxPro Mobile retrieves the "sorted animals" information from the site software. This can take a few seconds.

To reset the sorted animals count to 0, set the sort limit to 0 and then transfer the information to the site. If you do not transfer the information to the site after settings the sort limit, the count will remain next time you open the screen.

- To change the minimum weight, tap the **Up** or **Down** arrow beside that setting.
- To change the normal actions:
 - Beside Sort Direction, select *Left*, *Right*, or *Straight*.
 - Beside Painter Action, select None, Painter 1, Painter 2, or Both.
- To change the market actions:
 - Beside Sort Limit, tap the up or down arrow to adjust the setting.
 - Beside Sort Direction, select *Left*, *Right*, or *Straight*.
 - Beside Painter Action, select None, Painter 1, Painter 2, or Both.

- 5. Tap **OK** to save the change and return to the Sorter Settings screen.
- 6. Repeat steps 2 to 5 for each sorter or weight group you want to edit.
- 7. Tap **OK** to save the change and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Using smart staging mode

Smart staging helps optimize food court space by using programmable two or three-way splitting percentages to keep food courts from being overcrowded or underused.

As with auto-sort mode, smart staging mode allows you to set the sort direction and the paint options. The difference with smart staging is that it uses splitting percentages (light, medium, and heavy) to calculate sorting weights. The sorting weights are automatically calculated each day at midnight based on the previous four days of weight records.

For more information about when to use smart staging mode, see the timelines on page 37.



Before using smart staging, allow the animals to go through the sorting using autosort mode for at least four days.

When in smart staging mode, you cannot sort using sort limits. If you want to use sort limits, use auto-sort mode.

As with auto-sort mode, smart staging mode allows you to set the sort direction and the paint options. The difference with smart staging is that it uses splitting percentages (light, medium, and heavy) to calculate sorting weights. The sorting weights are automatically calculated each day at midnight based on the previous four days of weight records.

For example, let's use the smart staging settings shown to the right.

Group	Percentage	Minimum Weights	Direction	Paint
Light	20	20	Left	1
Medium	50	68	Straight	2
Heavy	30	104	Right	None

- ◆ Animals that cannot be weighed properly for whatever reason—too light, too heavy, error, and so on—will be sorted in the default sort direction. For more information, see **Configuring profile options** on page 24.
- ◆ Animals weighing more than 20 pounds and less then 68 pounds will be 'light' (weight group 1). The animals will be sorted left and painted using painter 1.
- ◆ Animals weighing between 68 and 104 pounds will be 'medium' (weight group 2). The animals will be sorted straight and painted using painter 2.
- ◆ Animals weighing between 104 and the 500-pound maximum will be 'heavy' (weight group 3). The animals will be sorted right and not painted

Smart staging mode defaults

Smart staging requires at least four days of weight records to calculate the sorting weights. You will need to edit the percentages, sort direction, and paint options to work with your system. The defaults smart stage settings are as follows:

Stage	Percentage	Sort direction	Paint
Light	10	Left	None
Medium	80	Straight	None
Heavy	10	Right	None

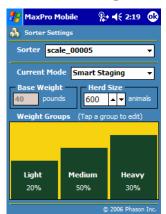


Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.

By default, MaxPro uses three-way splitting percentages. In other words, it sorts three directions into three different food courts. If you want to use two-way splitting percentages, set one of the group's percentages to 0.

To edit smart stage settings

1. On the Main screen, tap **Settings**. The Sorter Settings screen appears.



- 2. Beside Sorter, select the sorter you want to set up.
- 3. If the Current Mode is not Smart Staging, then select Smart Staging.
- 4. Under Weight Groups, tap the group you want to change. The Weight Group Settings screen appears.



- To change the percentage, tap the **Up** or **Down** arrow beside that setting.
- To change the sort action:
 - Beside Sort Direction, select *Left*, *Right*, or *Straight*.
 - Beside Painter Action, select None, Painter 1, Painter 2, or Both.
- 5. Tap **OK** to save the change and return to the Sorter Settings screen.
- 6. Repeat steps 2 to 5 for each sorter or weight group you want to edit.
- 7. Tap **OK** to save the change and return to the Main screen.



The total of the percentages must equal 100.

The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Tracking herd information

The herd information tracker allows you to manually track the number of animals in each sorter area (room, pen, or barn). As animals come into (new animals) or move out (ship, dead, or cull) of the area, you can update the total number of animals in each area.



Herd size is used in many reports. *Keep your herd information current and accurate* or reports will show incorrect information.

Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.

To edit herd information

- 1. On the Main screen, tap **Settings**. The Sorter Settings screen appears.
- 2. Beside Sorter, select the sorter containing the herd information you want to edit.
- 3. Under Herd Size, tap the **Up** or **Down** arrow to edit the number of animals.
- 4. Tap **OK** to save the change and return to the Main screen.



The changes you make do not take effect until after you send them to the site. For more information, see **Transferring settings and configuration** on page 16.

Using the Manual Control Viewer

The Manual Control Viewer allows you to view the status of a sorter or temporarily override the sort settings using manual mode. Using manual mode, you can open or close gates and operate the painter(s). Manual mode is useful for when you are cleaning a room, performing maintenance, or testing equipment.

When you enter manual mode, the gates remain in their last position. When you exit manual mode, the gates return to the positions they were at when you entered manual mode and the scale head returns to normal operation.

Before using the Manual Control Viewer, you must have a working wireless connection and a strong enough signal. The signal strength is shown in the bottom-left corner of the Viewer screen.



The status display on the PS-1 scale head shows when the PS-1 is in manual mode. For more information, see your **PS-1 user manual**.

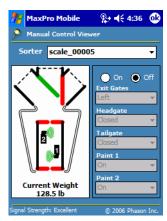
The painters shut off automatically after three seconds.

The sorter stays in manual control mode until you select a different sorter or close the viewer. Make sure you close the viewer when finished controlling or viewing sorters.

If you leave the viewer open and do not do anything for 10 minutes, the viewer closes automatically.

To use the Manual Control Viewer

On the Main screen, tap Viewer.
 The Manual Control Viewer screen appears.



- 2. Beside Sorter, select the sorter you want to view or control.

 MaxPro Mobile loads the information for the selected sorter. The screen automatically updates, allowing you to view what is happening at the sorter.
- 3. To enter manual control mode, tap **On**.
 - To change the exit direction, under Exit Gates, select *Left*, *Right*, or *Straight*.
 - To change the headgate position, under Headgate, select *Open*, or *Closed*.
 - To change the tailgate position, under Tailgate, select *Open*, or *Closed*.
 - ◆ To operate the painters, under Paint 1 or Paint 2, select *On*, or *Off.*
- 4. To exit manual control mode, tap **Off**.
- 5. Tap **OK** to return to the Main screen.

Managing reports

MaxPro Mobile allows you to view and manage reports that the site software can create. For more information about reports, see the **MaxPro II** or **OMNI-Sort** user manual.

You cannot create reports using MaxPro Mobile; you must create them using MaxPro II or OMNI-4000.



MaxPro II and OMNI reports are stored separately on the PDA. If you are managing both types of sites using MaxPro Mobile, you can access the only the reports for the current site type. You can change the current site type on the Transfer screen.

Before copying or moving reports to or from the site computer, you must have a working wireless connection and a strong enough signal. The signal strength is shown in the bottom-left corner of the Reports and Data screen.

Managing reports on the PDA

Managing reports on the PDA includes:

- ◆ Viewing reports on the PDA
- ◆ Copying and moving reports from the PDA to the site computer
- ◆ Removing reports from the PDA

Viewing reports

You can view the reports that you created using MaxPro II or OMNI-Sort. You cannot create reports using MaxPro Mobile. To view a report, you need to copy or move the report from the site computer to the PDA.

Copying and moving reports from the PDA to the site computer

Copying reports means copying the report files from the PDA to the site computer. Moving reports means copying reports from the PDA to the site computer and then removing the original files from the PDA.

Copying or moving reports from the PDA to the site computer is useful for when you are collecting reports from several sites and want to transfer them to an office computer.

◆ Normally, reports are stored in the following directory on the PDA:

```
\Program Files\MaxPro Mobile\PDAData\##########_MXP2\Reports\
or
\Program Files\OMNI4000\PDAData\#########_OMNI\Reports\
```

◆ Normally, reports are stored in the following directory on a site computer:

```
C:\Program Files\Phason\MaxPro\Reports\
or
C:\OMNI4000\Reports\
```

• If you transfer reports from one site to a different site computer, reports from different sites are stored in the following directory on the site computer:

```
C:\Program Files\Phason\MaxPro\PDAData\#########_MXP2\Reports\
or
C:\OMNI4000\PDAData\######### OMNI\Reports\
```

The ######### indicates the site ID.

Removing reports from the PDA

Because there is a limited amount of storage space on the PDA, and because it is easier to sort through a smaller list of reports, it is a good idea to remove older reports from the PDA when you are done with them.

To view reports

On the Main screen, tap **Data**.
 The Reports and Data screen appears.



2. Under Reports on the PDA, select the report you want.



You can select more than one report at a time, but it is not recommended. Viewing more than one report at a time might cause the PDA to 'lock-up'.

3. Tap View.

Your report displays.

- 4. To close the report, tap **OK** until you return to the Reports and Data screen.
- 5. Tap **OK** to return to the Main screen.

To copy reports from the PDA to the site

- On the Main screen, tap **Data**.
 The Reports and Data screen appears.
- 2. Under Reports on the PDA, select the reports you want to copy.
- 3. Tap Copy to Site.

Your reports are copied to the site.

4. Tap **OK** to return to the Main screen.

To move reports from the PDA to the site

- On the Main screen, tap **Data**.
 The Reports and Data screen appears.
- 2. Under Reports on the PDA, select the reports you want to move.
- 3. Tap Move to Site.
 - A Confirmation screen appears.
- 4. To move the reports, tap **Yes**. To cancel and return to the Reports and Data screen, tap **No**.
- 5. Tap **OK** to return to the Main screen.

To remove reports from the PDA

- On the Main screen, tap **Data**.
 The Reports and Data screen appears.
- 2. Under Reports on the PDA, select the reports you want to remove.
- 3. Tap Remove.
 - A Confirmation screen appears.
- 4. To remove the reports, tap **Yes**. To cancel and return to the Reports and Data screen, tap **No**.
- 5. Tap **OK** to return to the Main screen.

Managing reports on the site computer

Managing reports on the site computer includes:

- ◆ Copying and moving reports from the site computer to the PDA
- ◆ Removing reports from the site computer

Copying and moving reports from the site computer to the PDA

Copying reports means copying the report files from the site computer to a directory on the PDA. Moving reports means copying reports from the site computer to the PDA and then removing the original files from the computer.

◆ Normally, reports are stored in the following directory on the PDA:

```
\Program Files\MaxPro Mobile\PDAData\##########_MXP2\Reports\
or
\Program Files\OMNI4000\PDAData\########_OMNI\Reports\
```

Normally, reports are stored in the following directory on a site computer:

```
C:\Program Files\Phason\MaxPro\Reports\
or
C:\OMNI4000\Reports\
```

◆ If you transfer reports from one site to a different site computer, reports from different sites are stored in the following directory on the site computer:

```
C:\Program Files\Phason\MaxPro\PDAData\#########_MXP2\Reports\
or
C:\OMNI4000\PDAData\######### OMNI\Reports\
```

The ######### indicates the site ID.

Removing reports from the site computer

Because it is easier to sort through a smaller list of reports, it is a good idea to remove older reports from the computer when you are done with them.

To copy reports from the site to the PDA

1. On the Main screen, tap **Data** and then select the **Site Reports** tab. The Reports and Data screen appears.



- 2. Under Reports at the Site, select the reports you want to copy.
- 3. Tap **Copy To PDA**. Your reports are copied to the PDA.
- 4. Tap **OK** to return to the Main screen.

To move reports from the site to the PDA

- 1. On the Main screen, tap **Data** and then select the **Site Reports** tab. The Reports and Data screen appears.
- 2. Under Reports at the Site, select the reports you want to move.
- 3. Tap Move To PDA.
 - A Confirmation screen appears.
- 4. To move the reports, tap **Yes**. To cancel and return to the Reports and Data screen, tap **No**.
- 5. Tap **OK** to return to the Main screen.

To remove reports from the site

- 1. On the Main screen, tap **Data** and then select the **Site Reports** tab. The Reports and Data screen appears.
- 2. Under Reports at the Site, select the reports you want to remove.
- 3. Tap Remove.
 - A Confirmation screen appears.
- 4. To remove the reports, tap **Yes**. To cancel and return to the Reports and Data screen, tap **No**.
- 5. Tap **OK** to return to the Main screen.



Appendixes

♦ Appendix A: Troubleshooting

◆ Appendix B: Hints, tips, and frequently asked questions

◆ Appendix C: Glossary

Appendix A: Troubleshooting

- ◆ If you are having problems using MaxPro Mobile, look up the problem in the table below and then follow the instructions to resolve the problem.
- If you have a problem that is not listed here, try to determine what might be causing the problem.
- ◆ If you cannot resolve the problem, call your dealer or Phason's Customer Support (see **Service** and **technical support** in the front of the manual.)

Problem/message	Possible cause	Resolution
Could not find the network computer/	The wireless capability on the PDA is not enabled	Enable the wireless capability. For more information, see your PDA's user manual
problem	The PDA is out of range of the wireless router, or something is interfering with the wireless signal	Make sure the router is positioned in a central location so that the PDA is within range as often as possible. The maximum range <i>under ideal conditions</i> is 150 to 400 feet. In a barn, expect the range to be less because of obstructions (walls). For more information, see your router's installation guide. If you need to extend the range, wireless range extenders are available. For more information, see your local computer dealer.
	The site computer is not on or the site software is not running	Make sure the site computer is on and that the site software is running.
	The wireless network is not configured properly	Check the router and PDA's network configuration. For more information, see Configuring your wireless network on page 6.
	The router is not connected properly	Check the cable connections between the computer and the router. Check to make sure the router has power.
	FileZilla is not installed or not running	FileZilla is a program the system uses to transfer files between the site computer and the PDA. Make sure it is installed and running on the site computer. If it is not installed, you can find it on your MaxPro II or OMNI installation CD.
	The site computer does not have the default IP address of 192.168.1.100.	Check that the site computer has the address 192.168.1.100. If the computer requires a different IP address than the default, change the IP address on the Transfer screen. For more
		information, see on page 18.

Appendix B: Hints, tips, and frequently asked questions

Hints and tips

- Always get the latest settings and configuration from the site computer before working with MaxPro Mobile.
- ◆ If you make a mistake on the configuration or settings, or are unsure about a change you have made on the PDA, get the settings and configuration from the site computer. This will overwrite the changes you made on the PDA.

Frequently asked questions

I entered the wrong serial number during registration, what can I do?

On the PDA, the registration information is stored in the file \Program Files\MaxPro Mobile\PDA. You can edit the information manually.

- 1. Locate the file using the File Explorer.
- Tap the PDA file.The file opens in Pocket Word.
- 3. Scroll down to the registration information.
- 4. Beside SerialNum=, enter the correct serial number and then tap **OK**. If you get asked if you want to save as a different format, just choose 'No'.

Appendix C: Glossary

base weight	Base weight helps determine if an animal is on the scale. If the weight reading is heavier than the base weight, the scale head assumes there is an animal on the scale and starts the weighing process. If the weight reading is lighter than the base weight, the scale head ignores the reading.
	The base weight is calculated automatically and cannot be changed.
chaser duration	The amount of time the tailgate remains open to allow a chaser pig into the sorter to chase the lazy pig out the exit.
download interval	How often MaxPro II downloads weight readings from the scale heads. Download interval is not used for OMNI-Sort sites.
headgate close duration	The amount of time the scale head waits for the headgate to close before either reopening the gate or completing the sorting process.
headgate open duration	The amount of time the headgate remains open to allow an animal to move off the scale.
headgate retries	The number of times the scale head will try to close the headgate before opening the tailgate and allowing a chaser pig into the scale.
headgate retry delay	The amount of time the scale head leaves the headgate open to allow an animal to move before trying to close the gate again.
IP address	A unique identification number assigned to a computer on a network. For example, the default address of an ICP is 192.168.1.100.
lazy pig delay	The amount of time the scale head waits for the animal to move off the scale before sending in a 'chaser pig'.
paint duration	The amount of time the scale head operates (sprays) the painter when that sort action is required.
samples	The number of consecutive weight readings required before a valid weight is determined.
scale head	The PS-1 control unit that controls the operation of the sorter.
sorter address	A unique eight-digit code the software uses to locate and identify the scale head. The scale head is programmed with an address before it leaves the factory.

tailgate open duration	The amount of time the tailgate remains open to allow an animal to move onto the scale. The tailgate open duration starts after the scale head has determined there is an animal on the scale.
variance	Variance determines a range a weight reading must fall within, when compared to the previous reading, to be considered valid.

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