MATRIX[®] PRO QUICK START-UP GUIDE

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MATRIX[®] PRO840G

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For a complete English User Manual, go to www.teejet.com or order part number 98-05238

MATRIX[®] PRO570G

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#1 Turn Power On

Press the POWER BUTTON to power on the console.

Upon power up, the Matrix Pro will begin its Start Up Sequence.

To turn the power off, press and briefly hold the power button until a confirmation screen acknowledges shut down mode.

WARNING! Wait 30 seconds before restarting the console after powering off.



#2 Start New Job or **Continue Job**

Once the power up sequence has completed, the Home screen will appear with the option to start a new job or continue an existing job.

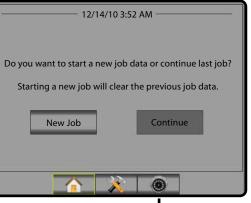
To start a new job press New Job

To continue the existing job press Continue

Figure 1-1: MUST HAVE GPS BEFORE STARTING JOB



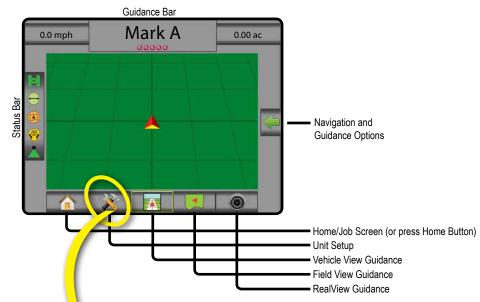
Figure 1-2: Home Screen with Acquired GPS



RealView Camera Full Screen Video View

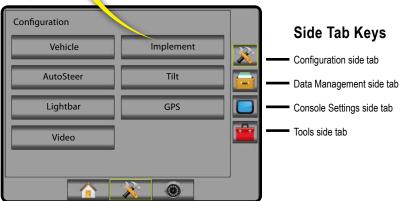
RealView Camera Full Screen Video View View video feed(s) and setup cameras without GPS available. Options for Realview Guidance are not available on this screen.

#3 Guidance Screen



#4 Go To Unit Setup

The Configuration options will be displayed first. Data Management, Console Setting and Tools can be accessed through the side tab keys.





Light or Dark Console Screen The console is available in two color schemes. To change to "dark", press CONSOLE side tab 🔵 . Press Display Press Color Scheme DOWN arrow \P and select between "Dark" or "Light" color mode.

#5 Cultural Setup

- 1. Press CONSOLE side tab
- 2. Press Cultural
- 3. Select from:
 - ► Units defines the system measurements
 - ► Language 🤦 defines the system language
 - ► Time Zone Concert − establishes the local time zone.
- 4. Press RETURN arrow c or CONSOLE side tab to return to the main Console screen.

Figure 1-3: Cultural Options



Console->Cultural		
mu Units	US	1 🖄
C Language	English-US	II 📙
🗞 Time Zone	υтс	J 📙
) 🔀 🛛 🏵 .	

#6 Vehicle Setup

- 1. Press CONFIGURATION side tab 🔀 .
- 2. Press Vehicle .
- 3. Select from:
 - \blacktriangleright Vehicle Type $\left| \frac{1}{2} \right|$ selects the type of vehicle that most closely represents your vehicle
 - ► Antenna Height → sets the height of the antenna from the ground
 - ► Direction to Boom 🚜 sets whether the boom is located behind or in front of the GPS antenna
 - ► Distance to Boom 🚜 defines the distance from the GPS antenna to the boom

Figure 1-4: Vehicle Setup Options

Configuration		
Vehicle	Implement	\mathbf{X}
AutoSteer	Tilt	
Lightbar	GPS	
Video		
	<u> </u>	



#7 Implement Setup

When a SmartCable or Section Driver Module (SDM) is not present only a single boom setup is available. Configurations for Overlap, Delay On and Delay Off will not be available, and Number of Sections will be set to one.

- 1. Press CONFIGURATION side tab 🔀 .
- 2. Press Implement
- 3. Select from:
 - ► Number of Boom Sections ▲ establishes the number of boom sections
 - ► Guidance Width ▲ establishes the width between guidelines
 - Spray Width A establishes the width of each boom section for a total spray width
 - Overlap < > determines the amount of overlap allowed
 - ► Delay On ▲ establishes the timing for the boom section valves to switch on
 - ► Delay Off <a>> establishes the timing for the boom section valves to switch off
- NOTE: Press or to switch between Implement setup screens.

#8 AutoSteer Setup

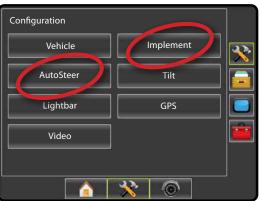
When a Steering Control Module (SCM) is present, AutoSteer options will be available. For detailed setup instructions, refer to your specific FieldPilot or auto steering installation manual or visit www.teejet.com for the full Matrix Pro User Manual, part number 98-05238.

NOTE: An update of your SCM software may also be required when updating an existing Matrix console to Matrix Pro.

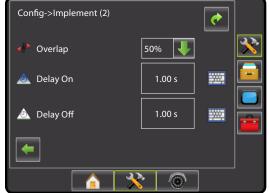
SCM Software Version Required

SCM Software Version	Matrix 1.x	Matrix Pro 2.x
1.03	•	
1.04	•	
1.05	•	
10.0		•

Figure 1-5: Implement Setup Options

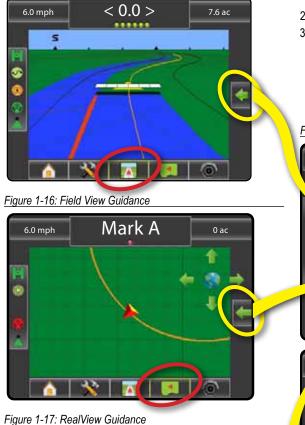






#9 Go To Guidance Screen

Figure 1-15: Vehicle View Guidance





#10 Choose a Guidance Mode

- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 2. Press GUIDANCE MODE icon 😎
- 3. Select from:
 - Straight AB
 - Curved AB
 - Circle Pivot
 Last Pass
 - Last Pass
 NextRow

Figure 1-18: Choose a Guidance Mode



#11 Mark A and B Points

To establish a AB guideline:

- 1. Drive to the desired location of Point A -
- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 3. While the vehicle is in motion, press MARK A icon 4
- 4. Drive to the desired location of Point B
- 5. Press MARK B icon 😉 to establish the AB line.
- 6. "Would you like to name this guideline?" Press
 - ► Yes to enter a name and save the guideline in the console.
 - ► No to automatically generate a name and save the guideline in the console.

The console will begin providing navigation information.

NOTE: The MARK B icon (B) is not available for selection (grayed out) until the minimum distance is travelled.

Use CANCEL MARK icon 🥝 to cancel the Mark A command and revert to the previous AB guideline (when established).

To establish additional guidelines, follow the same steps as the initial guideline.

Figure 1-19: Mark A Point



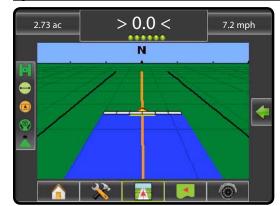
Figure 1-20: Mark B Point



Figure 1-21: Save Guideline

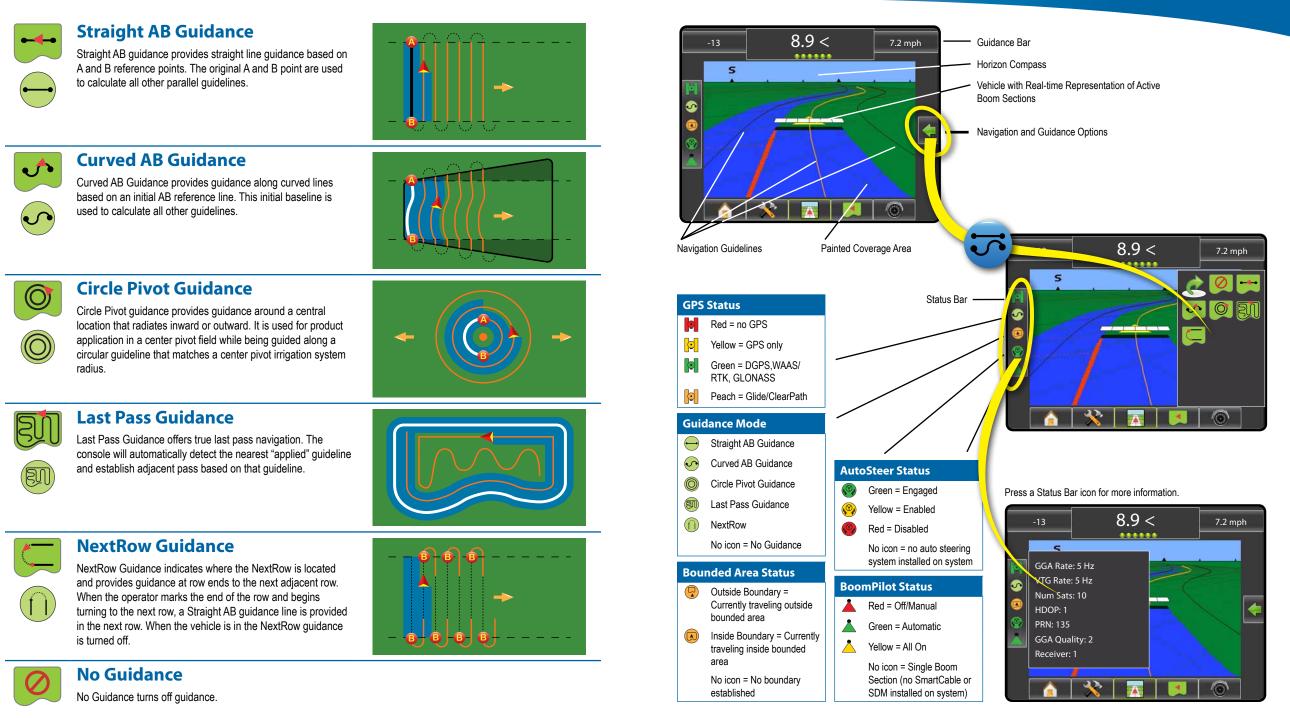


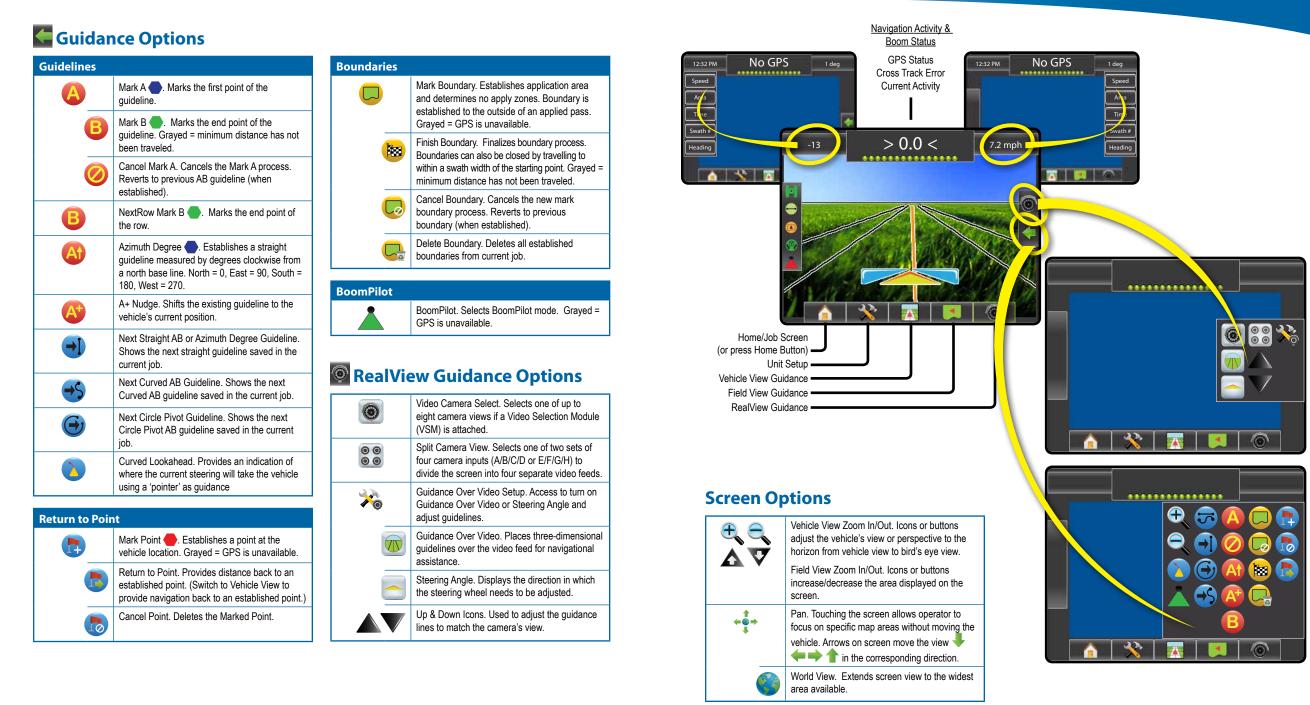
Figure 1-22: Follow Guidance



INFORMATION ON GUIDANCE MODES

MATRIX[®] PRO_{570G} • MATRIX[®] PRO_{840G}





GUIDANCE FEATURES DETAILS

MATRIX[®] PRO 570g • MATRIX[®] PRO 840g

A+ Nudge Feature

To adjust a AB guideline to your current location:

- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 2. Press A+ NUDGE icon 🔇 to adjust the guideline to the current location.

Azimuth Degree

To establish the azimuth guideline:

- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 2. Press AZIMUTH icon 4 to enter azimuth degree.
- 3. Use the entry screen to establish the Azimuth degree.
- 4. Press:
 - Accept Sto save the settings
 - ► Cancel 🐼 to leave the keypad without saving
- 5. "Would you like to name this guideline?" Press
 - ► Yes to enter a name and save the guideline.
 - ► No to automatically generate a name.

The console will begin providing navigation information.

To establish additional azimuth guidelines, follow the same steps as the initial azimuth guideline.

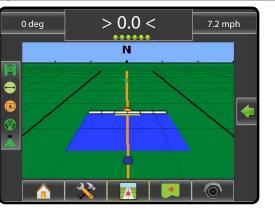
Figure 1-6: Azimuth Degree



Figure 1-7: Save Guideline



Figure 1-8: Follow Guidance



Field Boundary

To establish a field boundary:

- 1. Drive to a desired location at the perimeter of the field/ area.
- 2. Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 3. While the vehicle is in motion, press BOUNDARY icon 🧔.
- 4. Travel the perimeter of the field/area.
- 5. Finish boundary:
- Travel to within one swath width of the starting point. The boundary will close automatically (the white guideline will turn black).

Press BOUNDARY FINISH icon ¹⁰⁸. A straight line will complete the boundary between your current location and the starting point.

- 6. Press:
 - Yes to save the boundary.
 - No to delete the boundary.

Figure 1-9: Boundary in Progress



NOTE: On the external or initial boundary, the BOUNDARY FINISH icon 🕲 is not available for selection (grayed out) until the minimum distance is travelled (five-times the swath width).

To create an interior boundary, follow the same steps as the initial boundary.

Figure 1-10: Save Boundary - Field View



Figure 1-11: Boundaries Complete



If a swath was applied while creating an external or initial boundary, the boundary line will be to the exterior of the applied swath. If a swath was applied while creating an interior or additional boundary, the boundary line will be to the interior of the applied swath.

Use CANCEL BOUNDARY icon Control to cancel the new field boundary process and revert to the previous boundary (when established).

Use DELETE BOUNDARY icon 🤤 to delete all field boundaries for the current job.

In correspondence to your current location, the IN BOUNDARY icon (2) or OUT BOUNDARY icon (2) is displayed on the Status Bar once the boundary is established.

Return to Point

To mark a return point:

- Drive to the desired location of Return Point
- 2. Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 3. Press ADD POINT icon 🕃.

Figure 1-12: Return Point Established - Vehicle View



To show distance and guidance to the established point:

- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- Press the RETURN TO POINT icon .
 Use CANCEL RETURN TO POINT icon to delete the established point.

🕖 🥌 Θ Next Guideline

To show other saved guidelines:

- Press NAVIGATION & GUIDANCE OPTIONS icon to display navigation options.
- 2. Press NEXT GUIDELINE icon 🕣 🤧 🕞.

Figure 1-13: Next Guideline



To view which guideline is active, press the Guidance Mode icon on the Status Bar.

Figure 1-14: View Which Guideline is Active



