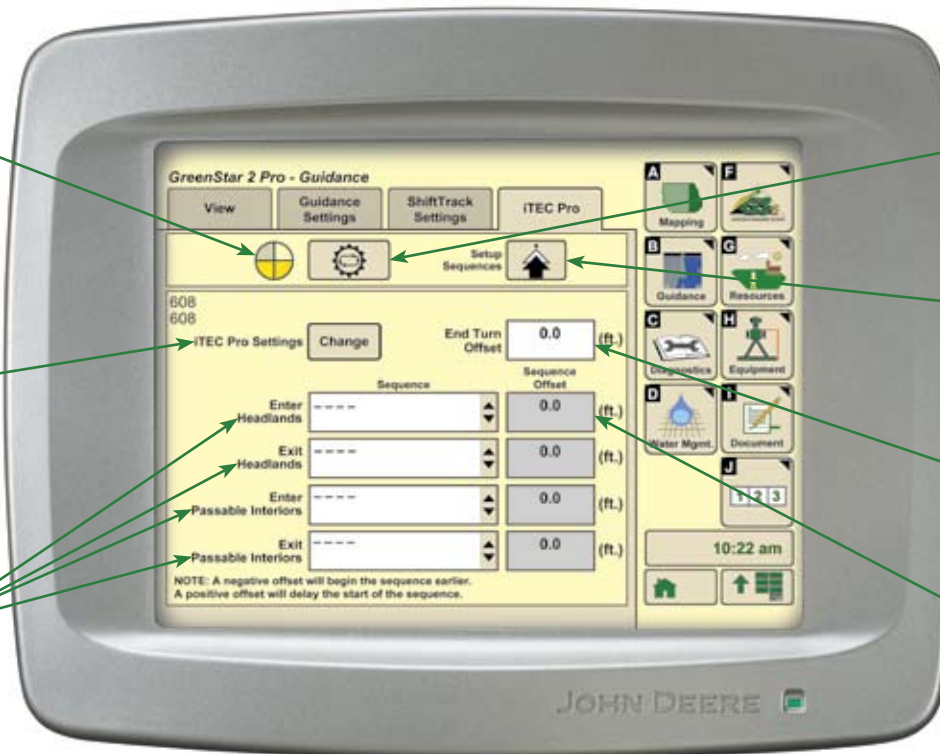


GreenStar™ 2 iTEC Pro™ QUICK REFERENCE GUIDE



iTEC Pro Status Pie

iTEC Pro On/Off Button

Select Turn Patterns, Minimize Skips or Overlaps, Impl Turn Radius

Create sequences and edit functions to occur sooner or later

Associate Sequences to Boundaries

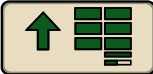
Adjusts the beginning of the turn

Adjusts sequences to occur sooner or later

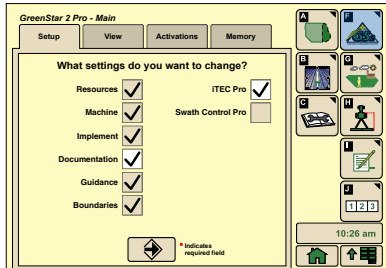
GreenStar Display 2600

Getting Started

Selecting the Menu button will allow you to access all applications. The Menu button will be on every screen. To access GreenStar 2 Pro select Menu – GreenStar 2 Pro.



Selecting the GreenStar 2 Pro application will navigate you to the GS2 Main page. An Advanced Setup Tool is available in Softkey 'F' - select 'iTEC Pro' to set up the GS2 for using iTEC Pro



Important: Currently, iTEC Pro will work with 8030 Wheel and Track, and 9030 Wheel and Track

Other Useful Buttons



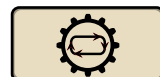
Cancel



Enter, Done, Save, Finish



Setup Sequence



iTEC Pro On/Off



Record



Diagnostics

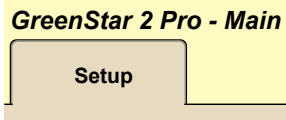
iTEC Pro Status Pie

- Installed – iTEC Pro compatible software installed on vehicle
Pressing this brings up the diagnostic page.
- Configured – StarFire signal, iTEC Pro setup requirements are complete
- Enabled – iTEC Pro button pressed, "On" is displayed
- Active – Resume switch pressed

GreenStar™ 2 iTEC Pro™ QUICK REFERENCE GUIDE

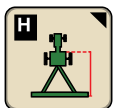
Setup GreenStar™ iTEC Pro™

1. Select Advanced Setup Tool

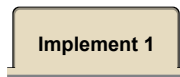
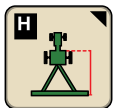


Or

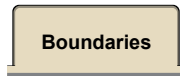
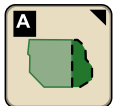
1. Select / Create Machine setup



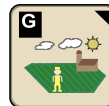
2. Select / Create Implement setup



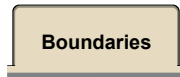
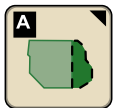
3. Select / Create Field



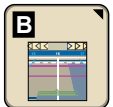
OR



4. Select / Create Boundaries



5. iTEC Setup - Sequences

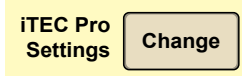


6. iTEC Setup - Associating Sequences to Boundaries



	Sequence	Sequence Offset	
Enter Headlands	Enter	0.0	(ft.)
Exit Headlands	Exit	0.0	(ft.)
Enter	----	0.0	(ft.)

7. iTEC Setup - End - Turns

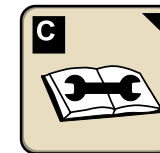


To Make iTEC Pro Function

The following criteria is required:

- iTEC Pro software installed (GS2 and vehicle)
- iTEC Pro activation on display
- Vehicle and implement dimension setup complete in GS2
- Boundaries properly defined and selected
- Mandatory
 - Exterior and Exterior Headlands
- Optional
 - Interiors Boundaries
- GPS Signal status is present (SF1, SF2, or RTK)
- Tracking path defined (AB Line)
- AutoTrac required for automated end turns (suggest updated SSU software)
- iTEC Pro status pie indicated "Active state" (see picture on the front)

Press either of the wrench icons for additional diagnostic information



and select iTEC Pro

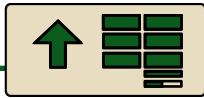
iTEC Pro Activation

See your John Deere dealer for an iTEC Pro Demonstration and possible tractor software update.

GreenStar™ 2 iTEC Pro™ QUICK REFERENCE GUIDE

Accessing GreenStar™ iTEC Pro™

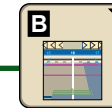
1. Select Menu



2. Select GreenStar 2 Pro



3. Select Guidance



Setting up iTEC Pro Sequences

Accessing through setup sequences button on iTEC Pro tab.



There are two methods for creating sequences: Manual Entry or Learned Entry. See steps below.

NOTE: Maximum of 20 functions per sequence are allowed. The distance from first function to last in sequence can not exceed 100 feet.

Setup Sequence

Sequence Name: Sequence Raise 1790 Planter

Functions:

1		4.0 (mi/h)	-20.0 (ft.)
2		Extend	-10.0 (ft.)
3		Off	0.0 (ft.)
4		Off	5.0 (ft.)
5			

Labels: Sequence Name, Functions, Sequence record button (optional), Function offset from boundary, Function option.

Manual Entry Method

1. Enter name of sequence to be created in sequence list box.
2. Select the function to be performed first from the function list box.
3. Select the appropriate option corresponding with the function from the option list box.
4. Enter the desired distance this function should initiate from the headland boundary.

NOTE: Negative numbers occur before boundary line, positive numbers occur after boundary line.

5. Repeat steps 2-4 until all desired functions are defined for sequence.
6. Press accept button to save (Important).
7. Select a different sequence to edit.

Learned Entry Method

1. Enter name of sequence to be created in sequence list box.
2. While driving tractor in field, select the Sequence record button (optional).
3. Manually perform desired functions in the order and locations they should occur.

NOTE: Function offsets are recorded in relation to each other and not the boundary.

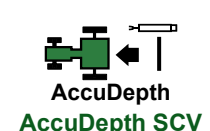
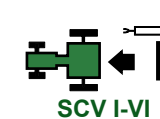
4. Select the record button to stop recording.
5. Functions and function options are automatically populated and can manually be edited at this time for accuracy.
6. Press accept button to save (Important).

Helpful Hints

Adjusting iTEC Pro in the Field

1. Adjust desired speed and distance (slower speeds give better headland accuracy)
2. Adjust impl raise/lower for desired location
3. If guess row is wide, shorten control point (impl dim. D)
4. If guess row is narrow, lengthen control point (impl dim. D)
5. To change location of the turn, adjust End Turn Offset

Sequence functions



GreenStar™ 2 iTEC Pro™ QUICK REFERENCE GUIDE

Creating Exterior, Interior, and Headland Boundaries

Important: Creating and using accurate boundaries is essential to the performance of iTEC Pro. It is recommended that you create new boundaries for each field prior to running iTEC Pro.

Required boundaries:

- Exterior field boundary
- Exterior headland boundary

Optional boundaries:

- Interior boundaries (passable or impassable)
- Interior headland boundaries (if interior boundary is impassable)

Exterior and interior boundaries are created by driving the boundaries.

Exterior Headlands can be created in 3 ways:

- Top and Bottom Offsets – creates headlands on opposite ends of the field
- Constant Offset – creates a headland all the way around the field
- Driven – records the boundary with a lateral offset of where either the Tractor or implement travels

NOTE: Interior Headland boundaries cannot use the Top and Bottom Offsets method.

Machine and Implement Dimensions

1) Insert a blank data card and select from the list

Or

2) Go to Apex - Setup Machine or Implement and click on Modify or New, then click "Get Reference Models and Settings"

And

3) Save setup data from Apex

Turn Confirmation Warning

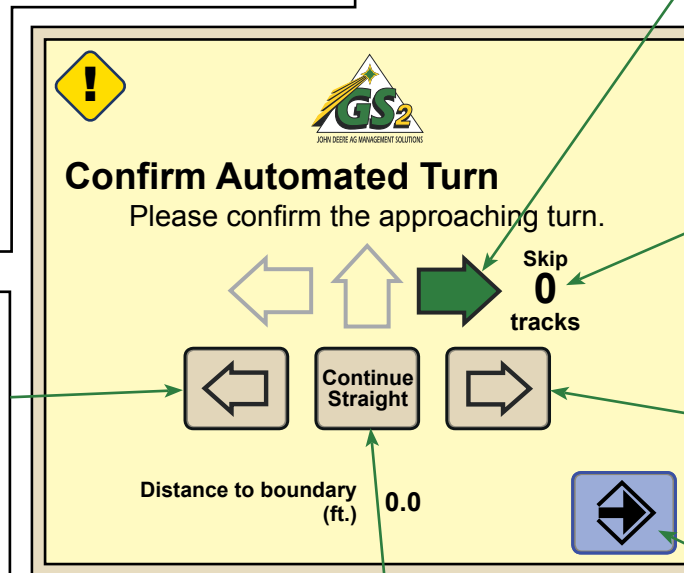
- The warning will be issued prior to start of headland turn.
- One of three turn indicators will be solid green, indicating the planned turn direction.
- The warning is confirmed by pressing the AutoTrac Resume switch or Accept button on warning.

To change the direction of the turn, press the bottom arrow on the opposite side.

To decrease the number of tracks to skip, press the bottom arrow on the opposite side.

NOTE:

These changes will be made only for 1 turn. To make permanent changes, go to iTEC Pro Settings 'Change' button.



The left or right arrow will be green to indicate which direction the turn will be

The Skip tracks will indicate how many tracks or AB lines will be skipped. 0 tracks indicates the turn will be to the adjacent AB line. To increase the number of tracks to skip, press the bottom arrow on the same side.

To continue straight without turning, press the Continue Straight button.

NOTE: This will cancel the turn and sequence at the current boundary location. Any subsequent sequences on the same pass will execute, but the next desired turn must be performed manually if iTEC Pro encounters another 'Enter Headland' transition within 20 seconds. If the next desired turn is after 20 seconds of exiting the headland, the Turn Confirmation indicator will be displayed and an automated turn may be completed.

Press the AutoTrac Resume switch or the Accept button to accept the turn.