



AFS PRO 700

Setup of Boundary's Using Pro 700 and AG372 at RTK with the Boekemans Cable

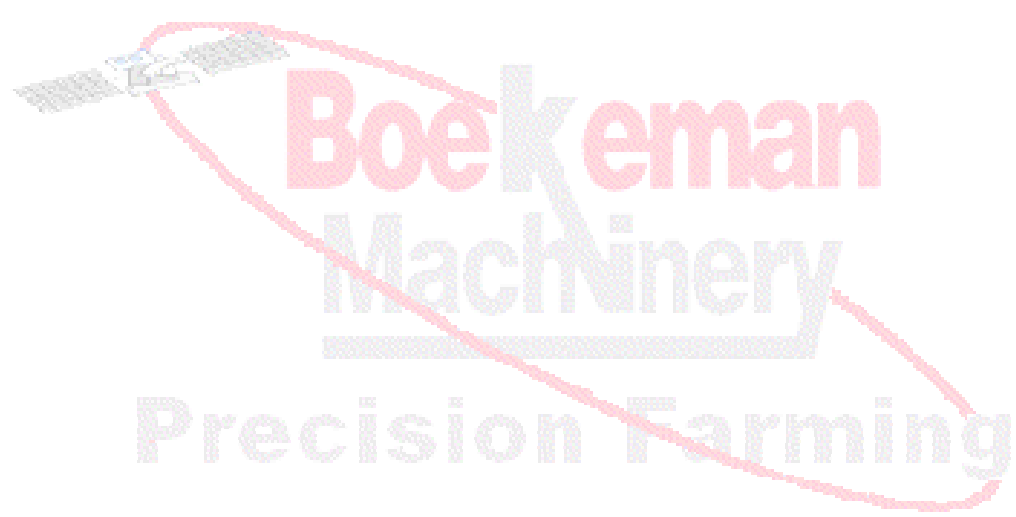
Prepared By Boekeman Machinery Precision Farming Team

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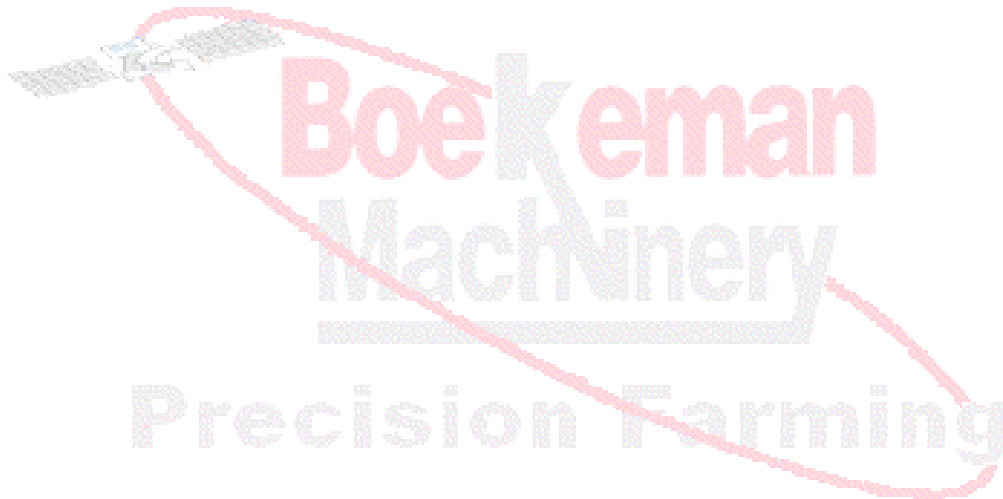


Before You Start

These instructions are for users who are wanting to accurately map their paddock boundaries out in order to make use of AccuTurn and use Variable Rate Application consistently. We strongly recommended that your Boundaries mapped out use Boekeman's RTK signal in order to replicate 2.5cm accuracy.

Please consult your Precision Farming Specialist for setup of the Machine.

Please note that a Case IH USB MUST be in the Pro 700 at all times. This will save the boundaries when mapping.

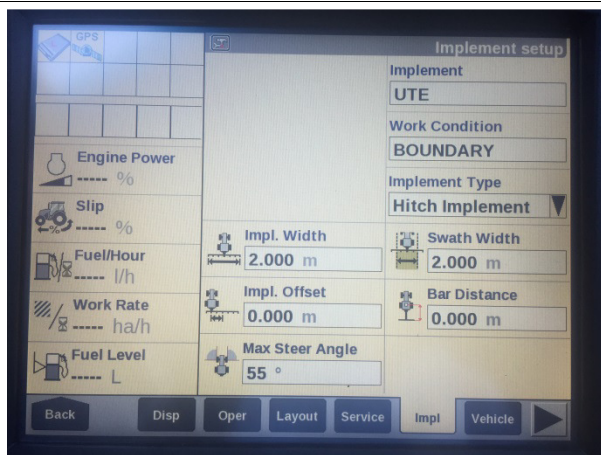


Setup of Hardware and Software in your Ute

This steps you through the setup of your Pro 700 in order to receiver GPS signal and map Boundaries with your Ute.

Before you begin, ensure the Cable supplied by Boekeman Machinery is fitted correctly, Connected to Batteries, AG372 Receiver and Pro 700.

The AG372 should have a Green Light (This means it is receiving)



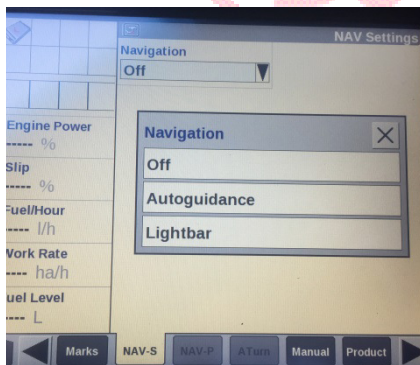
Turn on your Pro 700.

In the Menu, Select '**Toolbox**'

On the Bottom, Click on '**Implement**'

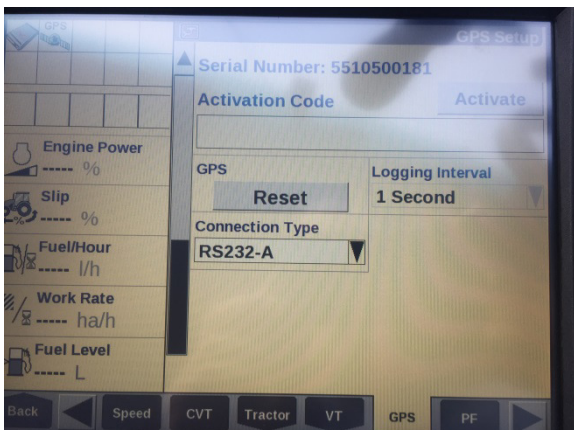
SETUP THE IMPLEMENT PAGE AS SEEN IN IMAGE

Add the Utes "Implement Width" & "Swath Width" – I used Approx 2m. There will be no Implement Offset, etc.



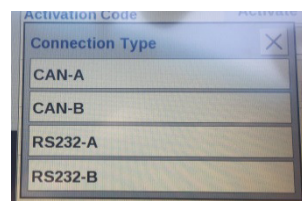
You will not have a Nav Controller, So therefore ensure this is turned Off.

In **Toolbox**, go to NAV-S and Ensure Navigation is turned to 'Off'

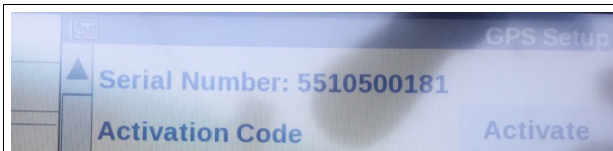


Now in "**Toolbox**" go to "GPS" and Scroll down using the arrow to the page showing. The Receiver Serial Number should be displayed. If so it is connected to the AG372.

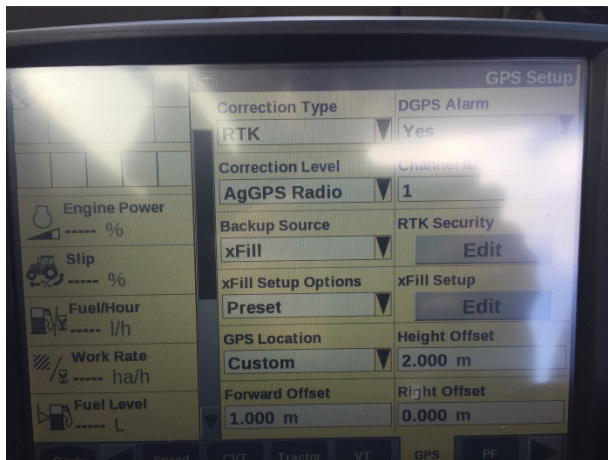
Under "**Connection Type**" as in the below image, Select 'RS232-A' If the Plug into the AG372 is Plugged into 'Port A', Otherwise select 'RS232-B' If it is Plugged into 'Port B'



NOTE: If this doesn't work change ports

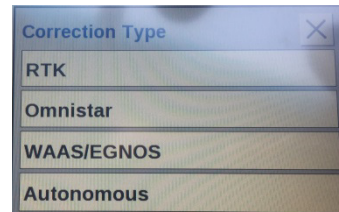


NOTE: THE AG372 RECEIVER IS COMMUNICATING WITH THE PRO 700 ONLY IF THE SERIAL NUMBER IS DISPLAYED AS SEEN HERE



Now the AG372 is receiving, Scroll up in the GPS Tab, and Ensure RTK is elected as the Accuracy.

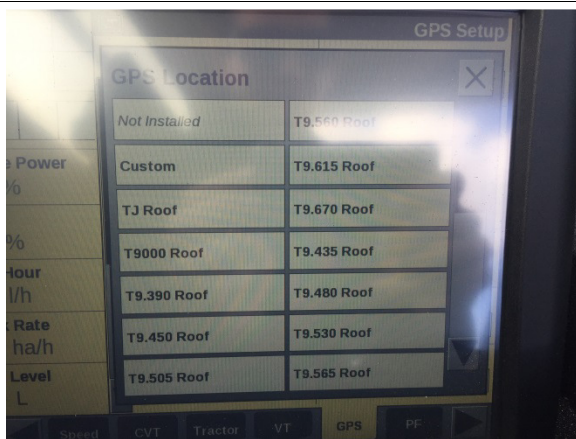
You WILL NOT create accurate Boundaries if you are using any accuracy other than 2.5cm Boekeman's RTK.



Ensure Xfill is Setup – Ensure it is turned on, and setup as per the screen to the left.

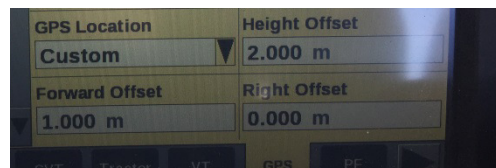
In addition ensure as usual you have selected the correct RTK Channel in order to receive RTK.

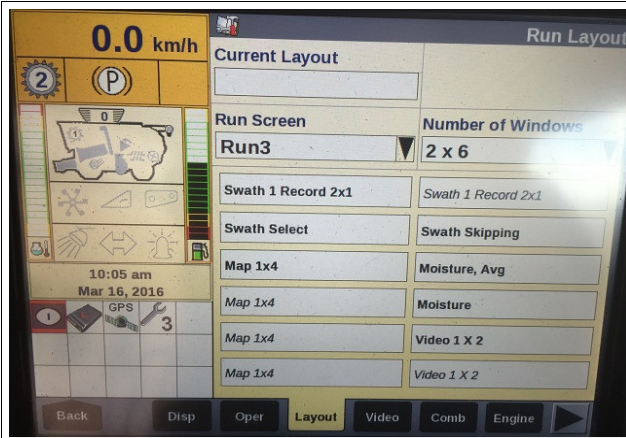
In the Top left hand corner, the GPS Status should be 'DGPS'



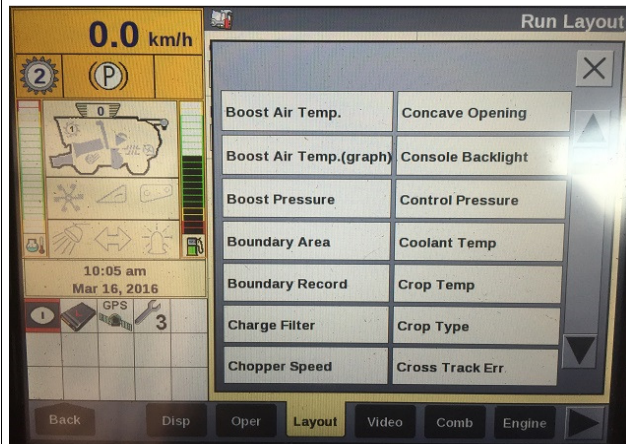
In addition you need to configure the AG372's GPS Location.

Select Custom, and setup based on your Vehicles Location in relation to the AG372, per below.





Now we need to Add 'Boundary Record' onto the Run Screen in order to record this. Under Toolbox, Click on 'Layout' and Press on a Run Screen Button where **Boundary Record** can be added.



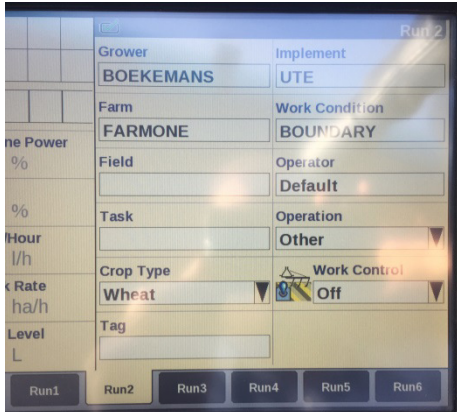
Scroll **Up** or **Down** with the arrows on the right to reach and select **Boundary Record**

We would also recommend on the same Run Screen to add 'Swath Map' to see the Boundary being recorded

WE ARE NOW READY TO START RECORDING BOUNDARIES.

Recording a Boundary

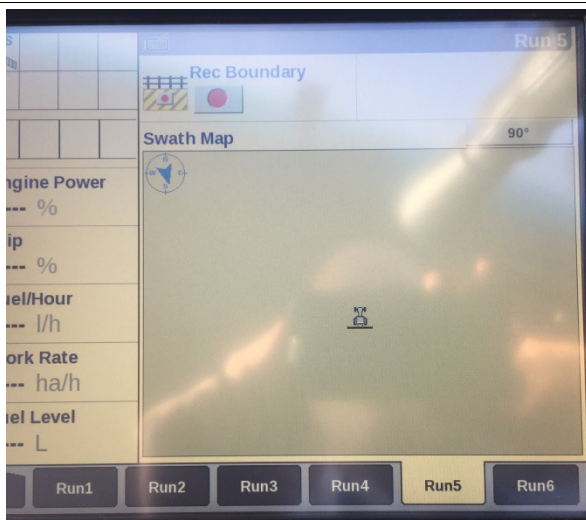
As in the previous page, the Run Screen is now setup to Record Boundaries from your Ute.



Firstly we need to select the Grower, Farm & Field.

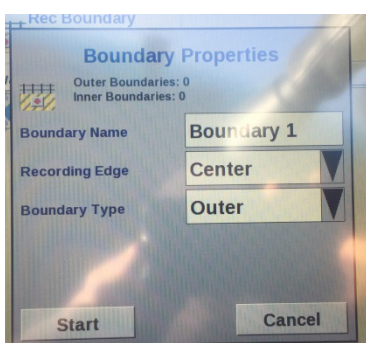
If you already have the Grower Farm Fields Setup Including Guidance Lines etc then select these.

If not, Create a NEW Grower Farm Field.



Now that you are in your Grower Farm Field, we can create a Boundary!

In the corner of the field, click the '**Record Boundary**' Button



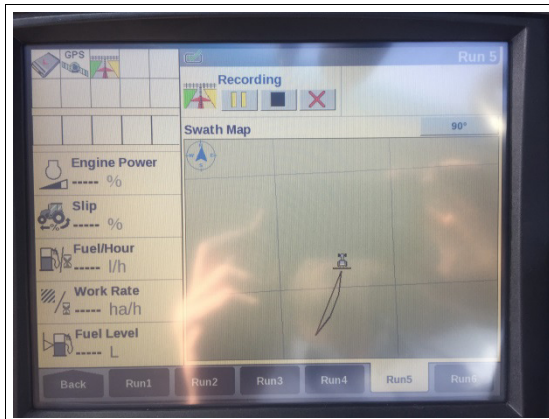
Ensure the Boundary Properties appear per the following Image.

This ensures you are recording the Outer Boundary properly.

Select Recording Edge – Eg if you are driving around the boundary where the right side of the ute is the boundaries edge, then select Recording Edge – Right.

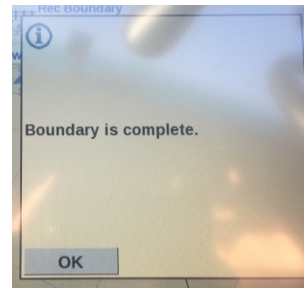
Then click **START**

Boekeman Machinery PRO 700 Essentials



The Boundary will begin recording.

Once you have completely driven around the perimeter of the Paddock, the Boundary will Automatically complete.



YOU HAVE NOW COMPLETED YOUR PADDOCK BOUNDARY.

TO RECORD ANOTHER FIELD'S BOUNDARIES YOU MUST **SELECT THE NEW FIELD** – In the Grower Farm Field Run Screen

