Dual Boom ASC Set-up

X 35 Apollo system
**DUAL asc** How It Works.

Dual ASC provides the ability to control the overlap of your MRBs independently from your seed openers. Farmers can set the geometry and on/off timings individually, allowing even finer settings resulting in less overlap and increased savings. This feature also applies to NH$_3$ or liquid fertilizer application.

The Dual Auto Section Control option is available on all 7000 Series air seeders with Apollo systems.
The Dual Boom ASC can be run with either the X30 or the X35. The compatible software versions for this on each monitor are 3.24.508 on the X30 and 4.01.508 on the X35. If you need to update your monitor and ECU’s please go to bourgault.com and follow the instructions for updating before proceeding with the set-up. Once software has been confirmed we can proceed to the settings page by touching the Wrench icon.
From the settings page on the monitor you will need to touch on the **Implement/New/Factory** buttons and create a new profile for the dual boom ASC. Under the factory tab it opens to have the different available profiles available to be used. Start by touching on the **Dual Granular ASC Boom** to start building the profile.
Dual Boom ASC is only available on the 7000 series air carts and will only give you the one option at this point. Touch the Check Box to continue.
Next select the tank model that you are setting up. The models with the “L” at the start are the Leading models and the models with the “X” at the end are special models designed for Australia. Be careful to select the correct model.
After you have selected the model you can then select the tank option’s that you have on the cart. The option’s you can choose are 3, 4 or 5 meter’s along with granular section control, NH3 sectional control and/or liquid sectional control.
After selecting your tank options the screen will change to the Select Template for Drill and a box will pop up telling you that a drill template needs to be selected to complete the implement profile set-up. Press the green check box to continue.
To proceed from here select the Bourgault tab and proceed to the next page.
The only option for this page is Dual Granular ASC Boom. This will set up the geometry for the drill combined with the cart that you had previously selected.
Select the type of drill that you are connecting the air cart to.
Now select the Base size for the drill model that you picked.
After selecting your base size you will be directed to choose which spacing you have 10” or 12”. All options will have (GRAN SCN) as we are building a profile for the Dual Boom ASC and the last thing we need to know about our profile is whether we have the high floatation option which you see as HF.
The last step to creating our profile is the name of this profile. The monitor will generate a name based on the profile you built or you can choose to give it a custom name. To change the name touch on the **IMPLEMENT NAME** and a keypad comes up on the screen allowing you to type in the name of your choosing. To accept the name you can touch the green check box in the bottom right corner of the dialog box. The monitor will now power down and restart to save your new profile.
When the monitor restarts it will open to the ECU-Setup page. The sections and geometry for the profile we set up will now be set-up. These settings should be verified to ensure they are correct.
First we will look at the Geometry for this profile. Touch Implement/Geometry display the geometry. There are going to be three tabs for the geometry with the dual boom ASC and the first tab you open will display the Full Width geometry.
Now we can look at the second and third tabs. The second tab will display the geometry for the seed manifold and the third tab will display the fertilizer manifold.
First select **Implement/Section Control/Sections** to view the section sizes. There will be two **Tabs** on the left hand side to scroll between the different booms.
Next touch on the **Timing** button and it brings up this page. Only use this page if you want to have the same settings for all the booms.
You can fine tune the timing for each section boom to reduce your overlap giving you increased control of your inputs. Tab 2 will once again be for the seed sectional and Tab 3 will be for the fertilizer sectional. The more time you put these times the happier you will be with the results.
You will want to enable the Virtual Section Switchbox to make it easy to check the times for your sections.
When setting up your tanks you will have to make sure that each tank is set up in the proper air stream to ensure that the timing is right for that product. That is done using the **Section Control** button. Touching this button gives you the option for which air stream you want the product to flow into. *you must change this in reconfiguring the cart for different seeded products*
You will be able to turn the sections on and off for each boom from the main page of the monitor using the virtual switchbox that we enabled earlier. You can see below that there are two tabs on the Virtual Switchbox. The two tab will be your seed sectional and the three tab will be for your fertilizer. For setting your timing for the sectional control refer to bourgault.com for the presentation on ASC timings.