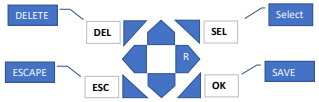
FeedMax V9 Keypad Navigation



The Shepherd Ag Pty Ltd
Auto Feeding Systems
www.thundervalley.com.au/support

Using Manual On/Off Mode
Press Up Arrow to manually turn feeder ON, the again for Off. Kilo Counters are active when the Auto Switch in ON. Located on side of controller.
Screen Navigation
Use Left and Right Arrows to move pages to access main programs. Each program and associated pages are numbers 1,2,3…. Press down arrow to access kilo counters and calibrations. Pages cycle in a loop downwards back to main screen. Note pressing the UP arrow without a cursor present will start the feeder.
Setting Screen Data and Time Clocks (Note this is a 24hr real time clock)
Navigate to desired page. Press the **SEL** key and a full black cursor will appear. Use arrows to navigate the cursor to line you wish to edit. Press **SEL** again to change the cursor to a **DASH** under the selected digit. The digit can now be modified using **UP** and **DOWN** arrows. The Dash can be moved left and right using arrows. When satisfied press **OK** to accept and save the data, then **ESC** to remove cursors. You can now navigate across pages.
Auto Toggle Switch: The Auto Switch on the side of the controller enables all the Automatic Functions to engage. One or All of the programs will enage if the program have an active time windows set. To Disable programs, ensure the On and Off times for the program are set to 00.00.
To activate the **Automatic Mode**, turn the **Auto Switch ON** located on the side of the control box. **DO NOT TURN THE AUTO SWITCH OFF DURING INDUCTION.** If you turn the switch OFF it will reset the program back to start the cycle over at day 1. You can run the Manual ON function and totalisers on top of the Auto schedule.
Down Arrow Features:
Feed Limiter Grams/Head : The feed limiter disables the feeder each day when the set value DR2D Grams/Head has been reached by one or all of the programs. This feature requires the Sheep Number in Program 1 to be accurate. If the Sheep Number is set to DR2F=00000, then the Feed Limiter will be disabled and the feeder will run adlib.
Manual Mode On/Off : The Manual Mode feature is designed for testing and running the feeder continuosly.
Calibraitions : DR01=00000 is the sensor delay feature. The feeder delays operation once the sensor has been activated until the time has lapsed. Good for smaller mobs of sheep to ensure even trough usage.
Feed flow caibration DR02=00005. This is the number of seconds it takes for 1kg of feed to enter the feeder.
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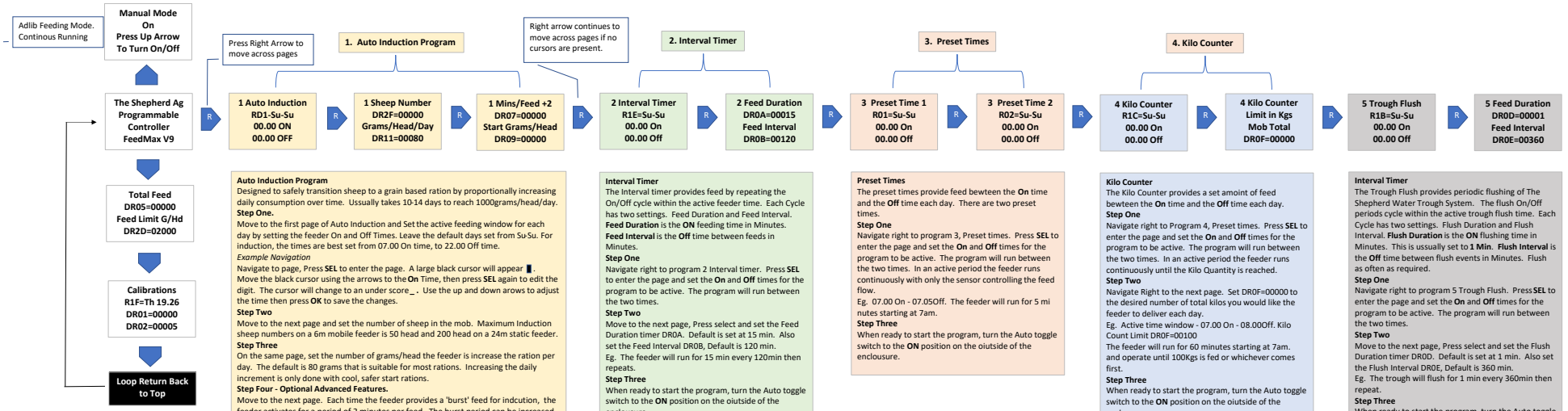
Feed flow caibration DR02=00005. This is the number of seconds it takes for 1kg of feed to enter the feeder. Default setting is 5sec.
Press the down arrow to display the **Total Feed** Consumption in Kg's. This is calculated from the point when the Auto Timer Switch has been turned ON. Press the Down Arrow again to display the Calibrations. R1F = day and time, DR01 = Motor start delay timer in minutes and DR02 = Seconds/1kg of feed. Option DR03= Kilogram Counter/feed schedule. Press the Down Arrow once again to return to the timer. Adjust calibrations using the **SEL, Arrow Keys and OK key**. When finished press **ESC** to return.

Screen Layout and Navigation



Auto Induction Program
Designed to safely transition sheep to a grain based ration by proportionally increasing daily consumption over time. Ussually takes 10-14 days to reach 1000grams/head/day.
Step One.
Move to the first page of Auto Induction and Set the active feeding window for each day by setting the feeder On and Off Times. Leave the default days set from Su-Su. For induction, the times are best set from 07.00 On time, to 22.00 Off time.
Example Navigation
Navigate to page, Press **SEL** to enter the page. A large black cursor will appear **_**.
Move the black cursor using the arrows to the **On** Time, then press **SEL** again to edit the digit. The cursor will change to an under score **_**. Use the up and down arows to adjust the time then press **OK** to save the changes.
Step Two
Move to the next page and set the number of sheep in the mob. Maximum Induction sheep numbers on a 6m mobile feeder is 50 head and 200 head on a 24m static feeder.
Step Three
On the same page, set the number of grams/head the feeder is increase the ration per day. The default is 80 grams that is suitable for most rations. Increasing the daily increment is only done with cool, safer start rations.
Step Four - Optional Advanced Features.
Move to the next page. Each time the feeder provides a 'burst' feed for indcution, the feeder activates for a period of 2 minutes per feed. The burst period can be increased by adding minutes to DR07. EG DR07=00001 will run burst feeds of 3 minutes.
Animals can be started on an advanced ration if they have already had some access to grain and you feel they are ready for a higher starting point. Set the Start Grams/Head by increasing DR09. Eg DR09=00400. The feeder will start on day one offering the animals 400grams/head + the increment set on the previous page.
Step Five
When ready to start the program, turn the Auto toggle switch to the **ON** position on the oiutside of the enclousure. Note: **Do Not** turn Off the toggle switch for the duration of induction. Turning off, even momentarily, will loose critical data and take the program back to day one.

Interval Timer
The Interval timer provides feed by repeating the On/Off cycle within the active feeder time. Each Cycle has two settings. Feed Duration and Feed Interval.
Feed Duration is the **ON** feeding time in Minutes.
Feed Interval is the **Off** time between feeds in Minutes.
Step One
Navigate right to program 2 Interval timer. Press **SEL** to enter the page and set the **On** and **Off** times for the program to be active. The program will run between the two times.
Step Two
Move to the next page, Press select and set the Feed Duration timer DR0A. Default is set at 15 min. Also set the Feed Interval DR0B, Default is 120 min.
Eg. The feeder will run for 15 min every 120min then repeats.
Step Three
When ready to start the program, turn the Auto toggle switch to the **ON** position on the oiutside of the enclousure.

Preset Times
The preset times provide feed bewteen the **On** time and the **Off** time each day. There are two preset times.
Step One
Navigate right to program 3, Preset times. Press **SEL** to enter the page and set the **On** and **Off** times for the program to be active. The program will run between the two times. In an active period the feeder runs continuously until with only the sensor controlling the feed flow.
Eg. 07.00 On - 07.05Off. The feeder will run for 5 minutes starting at 7am.
Step Three
When ready to start the program, turn the Auto toggle switch to the **ON** position on the oiutside of the enclousure.

Kilo Counter
The Kilo Counter provides a set amoint of feed bewteen the **On** time and the **Off** time each day.
Step One
Navigate right to Program 4, Preset times. Press **SEL** to enter the page and set the **On** and **Off** times for the program to be active. The program will run between the two times. In an active period the feeder runs continuously until the Kilo Quantity is reached.
Step Two
Navigate Right to the next page. Set DR0F=00000 to the desired number of total kilos you would like the feeder to deliver each day.
Eg. Active time window - 07.00 On - 08.00Off. Kilo Count Limit DR0F=00100
The feeder will run for 60 minutes starting at 7am. and operate until 100Kgs is fed or whichever comes first.
Step Three
When ready to start the program, turn the Auto toggle switch to the **ON** position on the oiutside of the enclousure.

Interval Timer
The Trough Flush provides periodic flushing of The Shepherd Water Trough System. The flush On/Off periods cycle within the active trough flush time. Each Cycle has two settings. Flush Duration and Flush Interval. **Flush Duration** is the **ON** flushing time in Minutes. This is ussually set to **1 Min**. **Flush Interval** is the **Off** time between flush events in Minutes. Flush as often as required.
Step One
Navigate right to program 5 Trough Flush. Press **SEL** to enter the page and set the **On** and **Off** times for the program to be active. The program will run between the two times.
Step Two
Move to the next page, Press select and set the Flush Duration timer DR0D. Default is set at 1 min. Also set the Flush Interval DR0E, Default is 360 min.
Eg. The trough will flush for 1 min every 360min then repeat.
Step Three
When ready to start the program, turn the Auto toggle switch to the **ON** position on the oiutside of the enclousure.