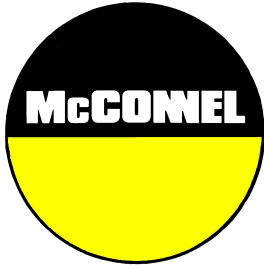


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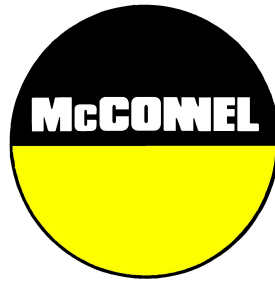


REVOLUTION

V6 Revolution Controls Proportional Control System Standard & Mini-Revolution Controls

Operation Manual





**V6 Revolution Controls
Proportional Control System**



For Safety and Performance...

ALWAYS READ THE BOOK FIRST

McCONNEL LIMITED

Temeside Works

Ludlow

Shropshire

England

Telephone: 01584 873131

www.mcconnel.com

WARRANTY POLICY

WARRANTY REGISTRATION

All machines must be registered, by the selling dealer with McConnel Ltd, before delivery to the end user. On receipt of the goods it is the buyer's responsibility to check that the Verification of Warranty Registration in the Operator's Manual has been completed by the selling dealer.

1. LIMITED WARRANTIES

- 1.01. *All mounted machines supplied by McConnel Ltd are warranted to be free from defects in material and workmanship from the date of sale to the original purchaser for a period of 12 months, unless a different period is specified.
All Self Propelled Machines supplied by McConnel Ltd are warranted to be free from defects in material and workmanship from the date of sale to the original purchaser for a period of 12 months or 1500 hours. Engine warranty will be specific to the Manufacturer of that unit.*
- 1.02. *All spare parts supplied by McConnel Ltd and purchased by the end user are warranted to be free from defects in material and workmanship from the date of sale to the original purchaser for a period of 6 months. All parts warranty claims must be supported by a copy of the failed part invoice to the end user. We cannot consider claims for which sales invoices are not available.*
- 1.03. *The warranty offered by McConnel Ltd is limited to the making good by repair or replacement for the purchaser any part or parts found, upon examination at its factory, to be defective under normal use and service due to defects in material or workmanship. Returned parts must be complete and unexamined. Pack the component(s) carefully so that any transit damage is avoided. All ports on hydraulic items should be drained of oil and securely plugged to prevent seepage and foreign body ingress. Certain other components, electrical items for example, may require particular care when packing to avoid damage in transit.*
- 1.04. *This warranty does not extend to any product from which McConnel Ltd's serial number plate has been removed or altered.*
- 1.05. *The warranty policy is valid for machines registered in line with the terms and conditions detailed and on the basis that the machines do not extend a period of 24 months or greater since their original purchase date, that is the original invoice date from McConnel Limited.
Machines that are held in stock for more than 24 months cannot be registered for warranty.*
- 1.06. *This warranty does not apply to any part of the goods, which has been subjected to improper or abnormal use, negligence, alteration, modification, fitment of non-genuine parts, accident damage, or damage resulting from contact with overhead power lines, damage caused by foreign objects (e.g. stones, iron, material other than vegetation), failure due to lack of maintenance, use of incorrect oil or lubricants, contamination of the oil, or which has served its normal life. This warranty does not apply to any expendable items such as blades, belts, clutch linings, filter elements, flails, flap kits, skids, soil engaging parts, shields, guards, wear pads, pneumatic tyres or tracks.*
- 1.07. *Temporary repairs and consequential loss - i.e. oil, downtime and associated parts are specifically excluded from the warranty.*
- 1.08. *Warranty on hoses is limited to 12 months and does not include hoses which have suffered external damage. Only complete hoses may be returned under warranty, any which have been cut or repaired will be rejected.*
- 1.09. *Machines must be repaired immediately a problem arises. Continued use of the machine after a problem has occurred can result in further component failures, for which McConnel Ltd cannot be held liable, and may have safety implications.*
- 1.10. *If in exceptional circumstances a non McConnel Ltd part is used to effect a repair, warranty reimbursement will be at no more than McConnel Ltd's standard dealer cost for the genuine part.*

- 1.11. *Except as provided herein, no employee, agent, dealer or other person is authorised to give any warranties of any nature on behalf of McConnell Ltd.*
- 1.12. *For machine warranty periods in excess of 12 months the following additional exclusions shall apply:*
 - 1.12.1. *Hoses, exposed pipes and hydraulic tank breathers.*
 - 1.12.2. *Filters.*
 - 1.12.3. *Rubber mountings.*
 - 1.12.4. *External electric wiring.*
 - 1.12.5. *Bearings and seals*
 - 1.12.6. *External Cables, Linkages*
 - 1.12.7. *Loose/Corroded Connections, Light Units, LED's*
 - 1.12.8. *Comfort items such as Operator Seat, Ventilation, Audio Equipment*
- 1.13. *All service work, particularly filter changes, must be carried out in accordance with the manufacturer's service schedule. Failure to comply will invalidate the warranty. In the event of a claim, proof of the service work being carried out may be required.*
- 1.14. *Repeat or additional repairs resulting from incorrect diagnosis or poor quality previous repair work are excluded from warranty.*

NB Warranty cover will be invalid if any non-genuine parts have been fitted or used. Use of non-genuine parts may seriously affect the machine's performance and safety. McConnell Ltd cannot be held responsible for any failures or safety implications that arise due to the use of non-genuine parts.

2. REMEDIES AND PROCEDURES

- 2.01. *The warranty is not effective unless the Selling Dealer registers the machine, via the McConnell web site and confirms the registration to the purchaser by completing the confirmation form in the operator's manual.*
- 2.02. *Any fault must be reported to an authorised McConnell Ltd dealer as soon as it occurs. Continued use of a machine, after a fault has occurred, can result in further component failure for which McConnell Ltd cannot be held liable.*
- 2.03. *Repairs should be undertaken within two days of the failure. Claims submitted for repairs undertaken more than 2 weeks after a failure has occurred, or 2 days after the parts were supplied will be rejected, unless the delay has been authorised by McConnell Ltd. Please note that failure by the customer to release the machine for repair will not be accepted as a reason for delay in repair or submitting warranty claims.*
- 2.04. *All claims must be submitted, by an authorised McConnell Ltd Service Dealer, within 30 days of the date of repair.*
- 2.05. *Following examination of the claim and parts, McConnell Ltd will pay, at their discretion, for any valid claim the invoiced cost of any parts supplied by McConnell Ltd and appropriate labour and mileage allowances if applicable.*
- 2.06. *The submission of a claim is not a guarantee of payment.*
- 2.07. *Any decision reached by McConnell Ltd. is final.*

3. LIMITATION OF LIABILITY

- 3.01. *McConnell Ltd disclaims any express (except as set forth herein) and implied warranties with respect to the goods including, but not limited to, merchantability and fitness for a particular purpose.*
- 3.02. *McConnell Ltd makes no warranty as to the design, capability, capacity or suitability for use of the goods.*
- 3.03. *Except as provided herein, McConnell Ltd shall have no liability or responsibility to the purchaser or any other person or entity with respect to any liability, loss, or damage caused or alleged to be caused directly or indirectly by the goods including, but not limited to, any indirect, special, consequential, or incidental damages resulting from the use or operation of the goods or any breach of this warranty. Notwithstanding the above limitations and warranties, the manufacturer's liability hereunder for damages incurred by the purchaser or others shall not exceed the price of the goods.*
- 3.04. *No action arising out of any claimed breach of this warranty or transactions under this warranty may be brought more than one (1) year after the cause of the action has occurred.*

4. MISCELLANEOUS

- 4.01. McConnel Ltd may waive compliance with any of the terms of this limited warranty, but no waiver of any terms shall be deemed to be a waiver of any other term.*
- 4.02. If any provision of this limited warranty shall violate any applicable law and is held to be unenforceable, then the invalidity of such provision shall not invalidate any other provisions herein.*
- 4.03. Applicable law may provide rights and benefits to the purchaser in addition to those provided herein.*

McConnel Limited



DECLARATION OF CONFORMITY

Conforming to EU Machinery Directive 2006/42/EC

We,

McCONNEL LIMITED, Temeside Works, Ludlow, Shropshire SY8 1JL, UK

Hereby declare that:

The Product; *Revolution Proportional Control System*

Product Code; *MCPT*

Serial No. & Date Type

Manufactured in; *United Kingdom*

Complies with the required provisions of the Machinery Directive 2006/42/EC
The machinery directive is supported by the following harmonized standards;

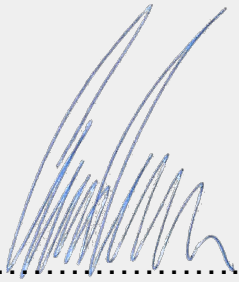
- BS EN ISO 12100 (2010) Safety of machinery – General principles for design – Risk assessment and risk reduction.
- BS EN 349 (1993) + A1 (2008) Safety of machinery - Minimum distances to avoid the entrapment with human body parts.
- BS EN ISO 14120 (2015) Safety of machinery - Guards general requirements for the design and construction of fixed and movable guards.
- BS EN 4413 (2010) Hydraulic fluid power. Safety requirements for systems and their components.

McCONNEL LIMITED operates an ISO 9001:2008 quality management system, certificate number: FM25970.

This system is continually assessed by the;

British Standards Institution (BSI), Beech House, Milton Keynes, MK14 6ES, UK
BSI is accredited by UK Accreditation Service, accreditation number: UKAS 003.

The EC declaration only applies if the machine stated above is used in accordance with the operating instructions.

Signed  *Responsible Person*
CHRISTIAN DAVIES on behalf of McCONNEL LIMITED

Status: *General Manager*

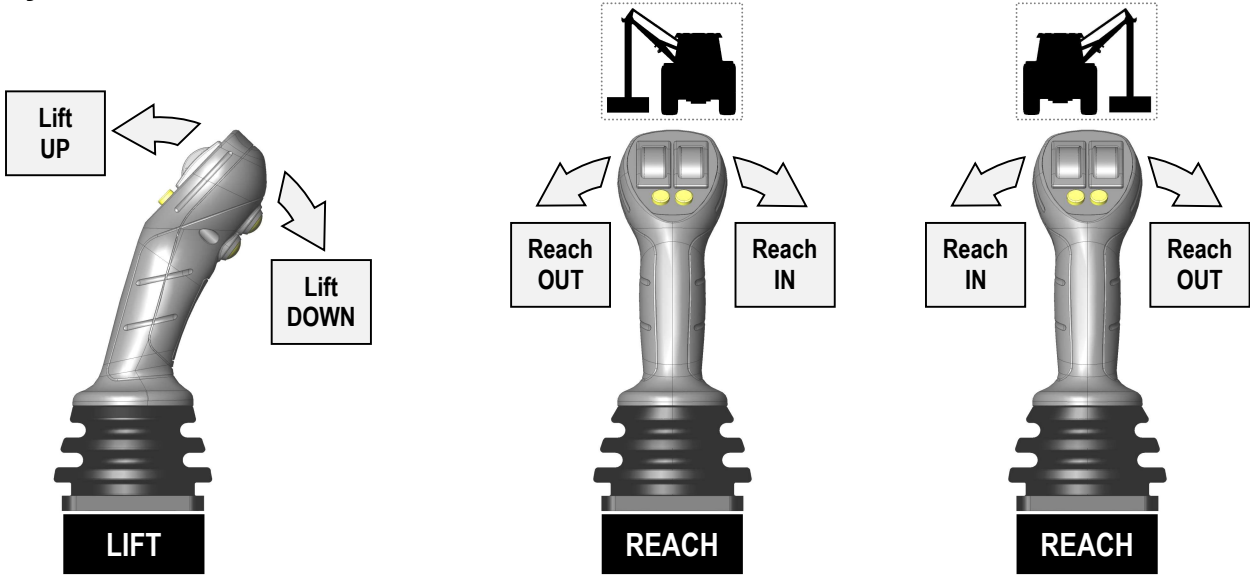
Date: *January 2018*

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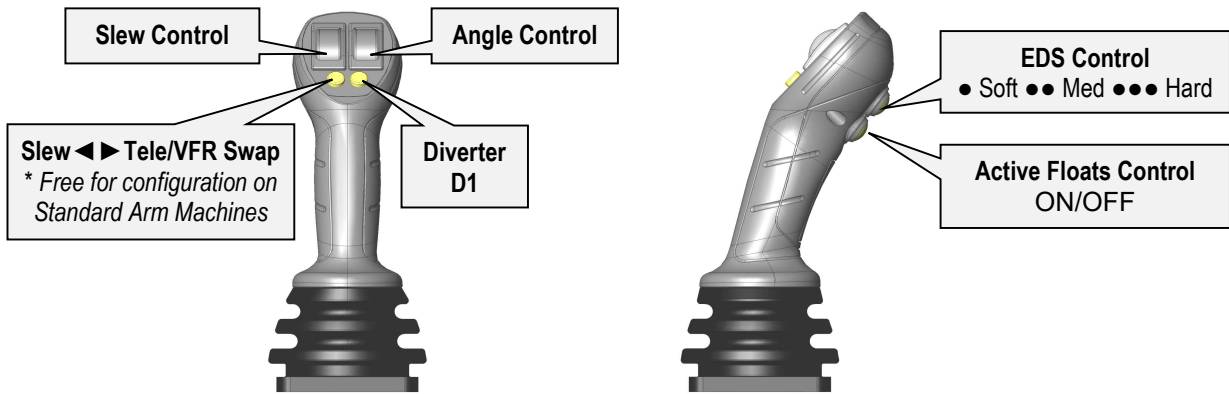
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JOYSTICK CONTROLS - REVOLUTION

Joystick : Overview



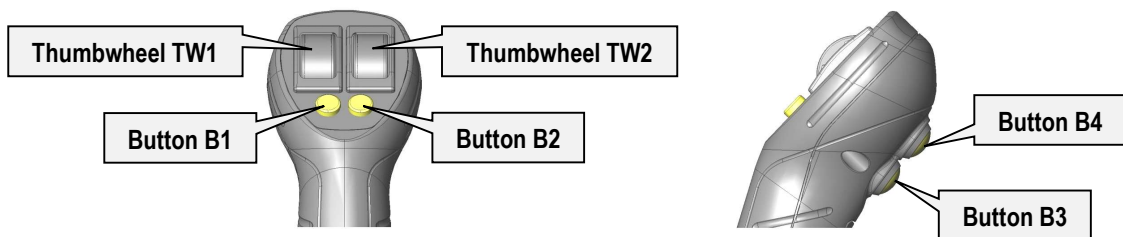
Joystick : Thumbwheels & Control Buttons (Default Functions)



Slew Swap Button : Default Configurations

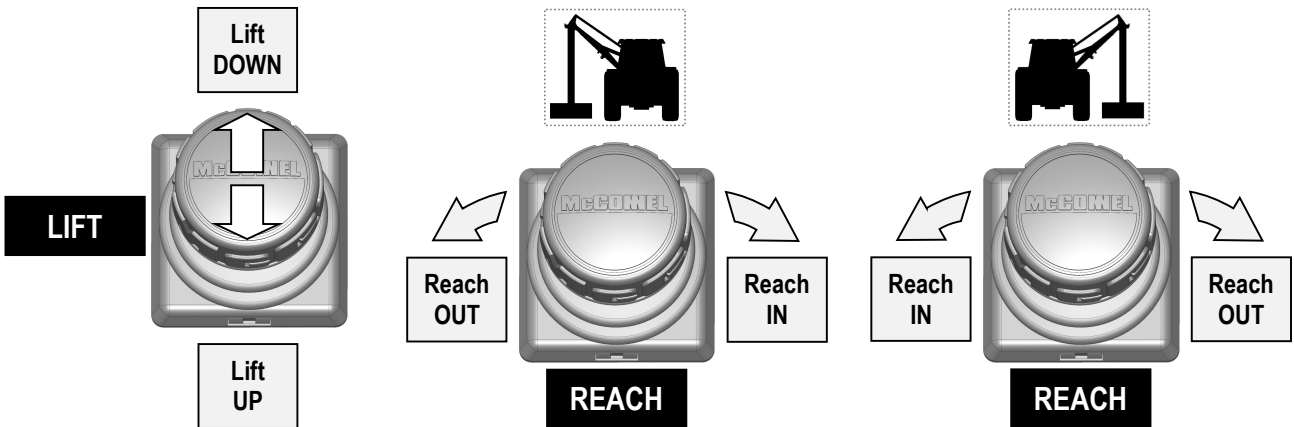
Machine Build	Default Swap Function	Configuration Options
Standard Arm	No function configured	Can be configured in settings to control a chosen function
VFR Arm	VFR Control	Can be changed in settings to control an alternate function
Tele Arm	Tele Control	Can be changed in settings to control an alternate function
Tele / VFR Arm	VFR Control	Can be changed in settings to control an alternate function

Thumbwheels & Buttons Identification

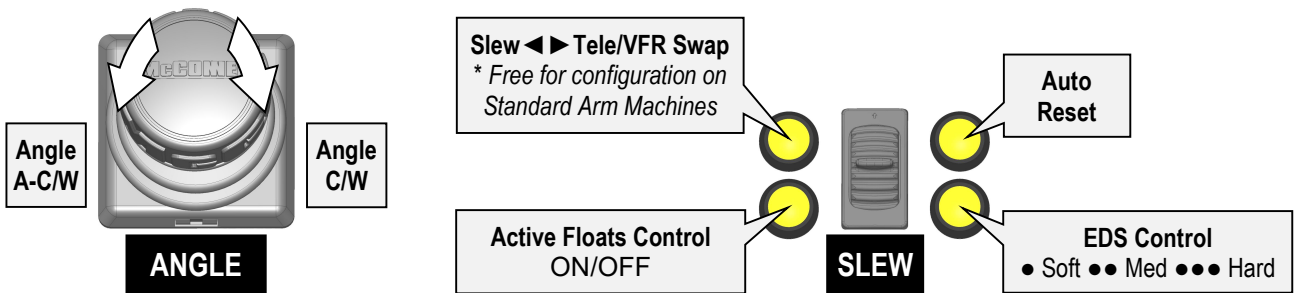


JOYSTICK CONTROLS – MINI REVOLUTION

Mini Joystick : Overview



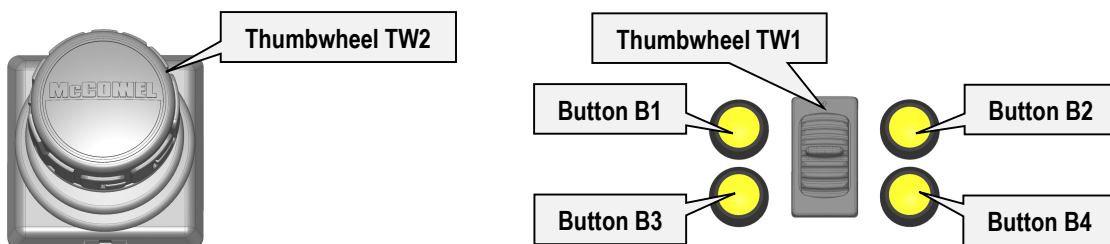
Mini Joystick : Thumbwheel & Control Buttons (Default Functions)



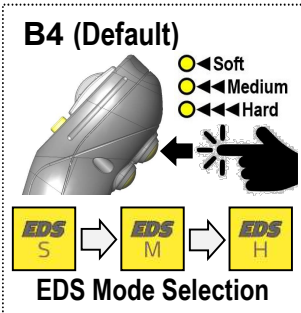
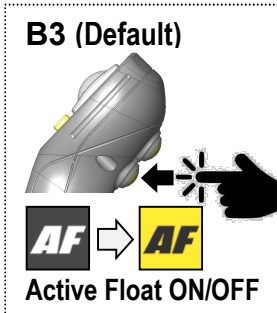
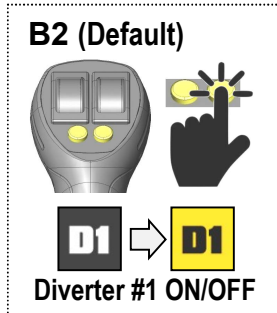
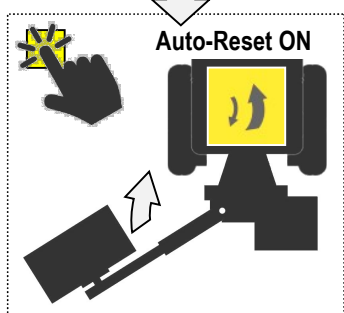
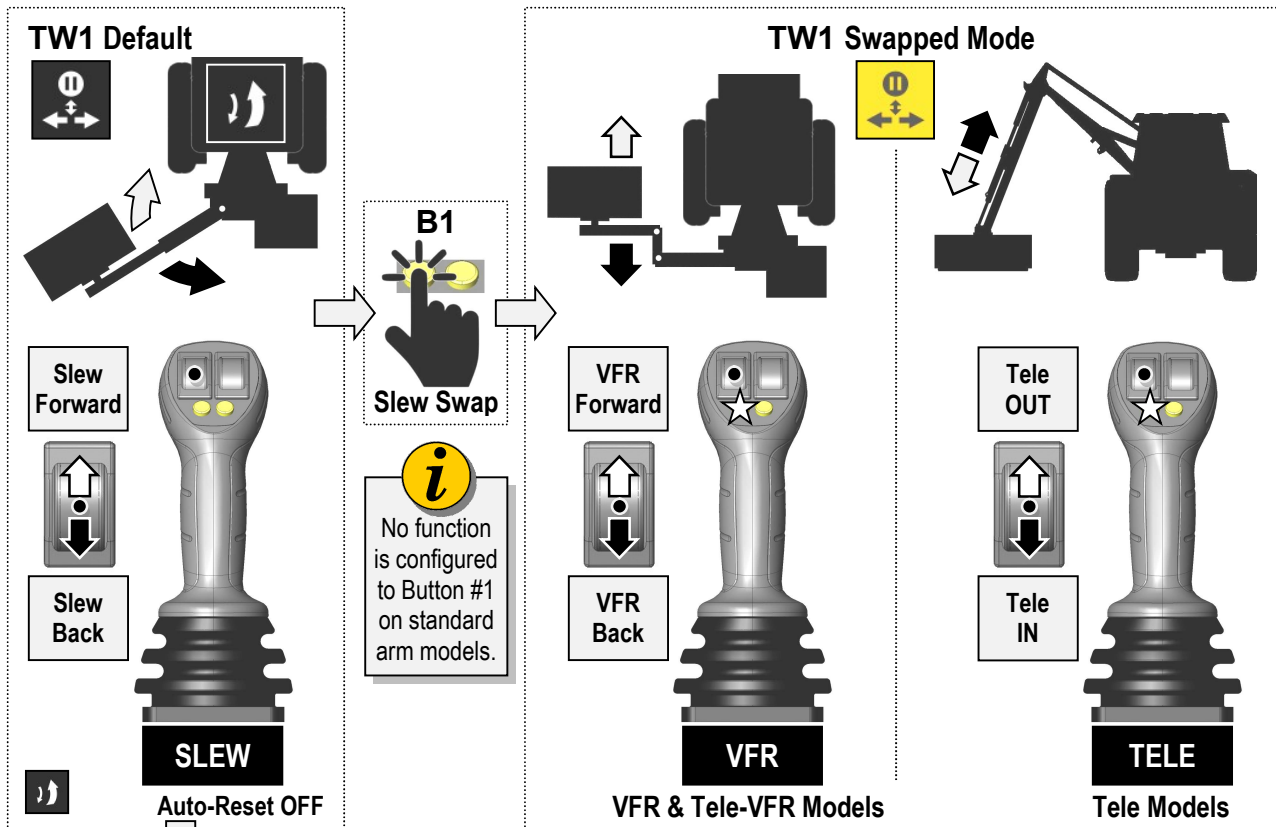
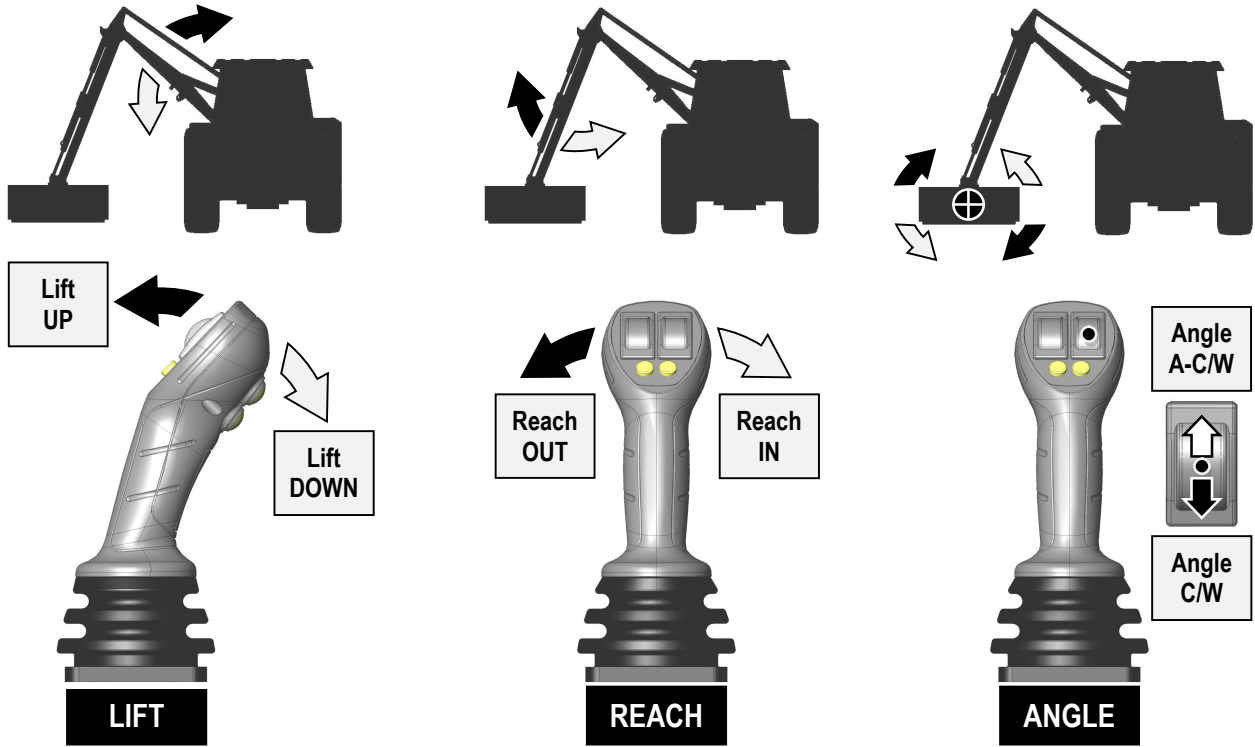
Slew Swap Button : Default Configurations

Machine Build	Default Swap Function	Configuration Options
Standard Arm	No function configured	Can be configured in settings to control a chosen function
VFR Arm	VFR Control	Can be changed in settings to control an alternate function
Tele Arm	Tele Control	Can be changed in settings to control an alternate function
Tele / VFR Arm	VFR Control	Can be changed in settings to control an alternate function

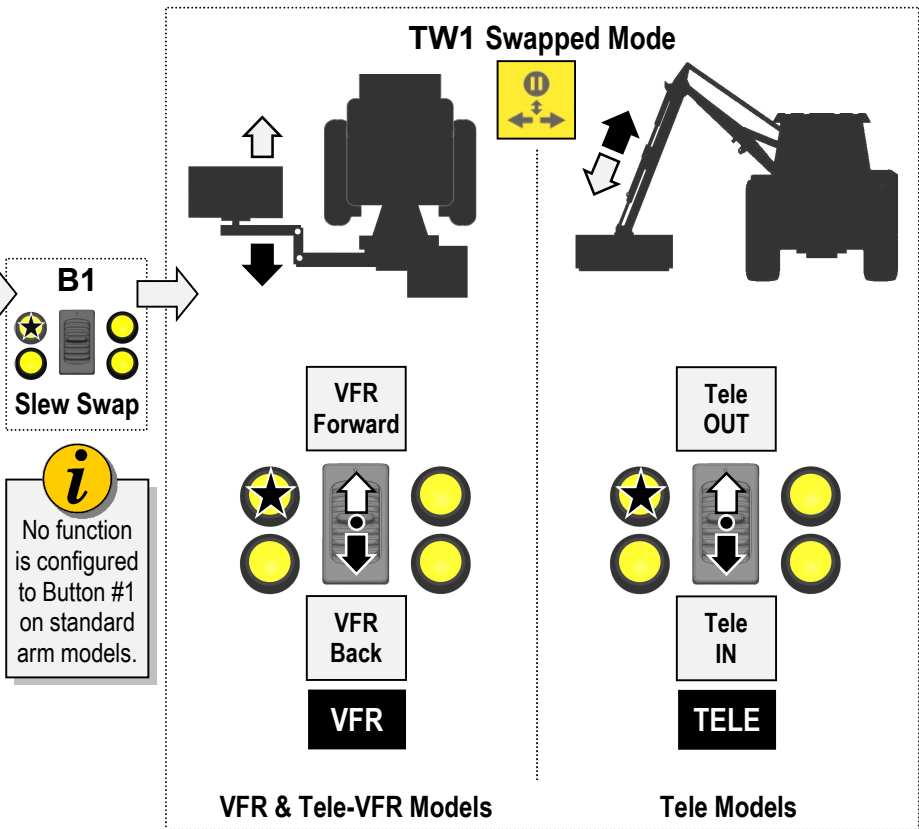
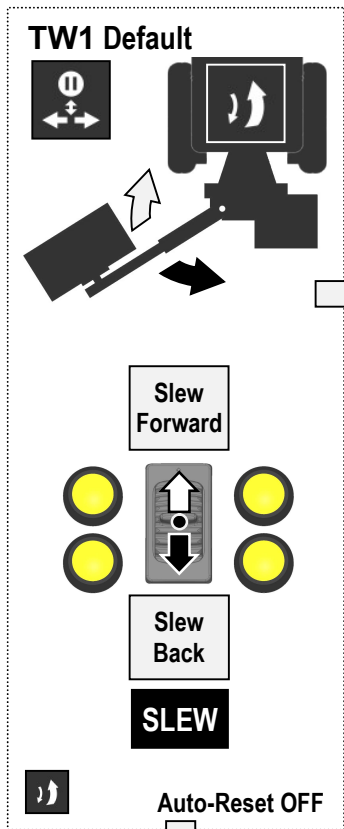
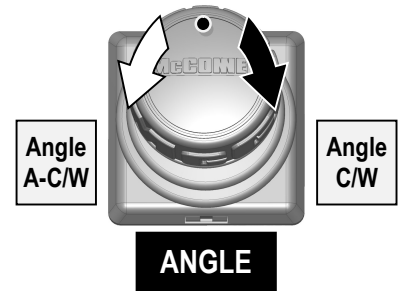
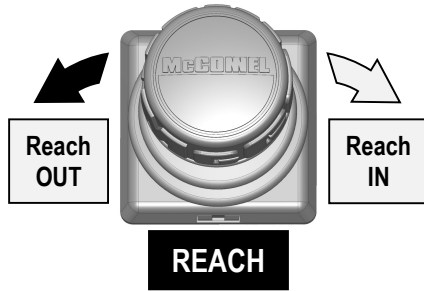
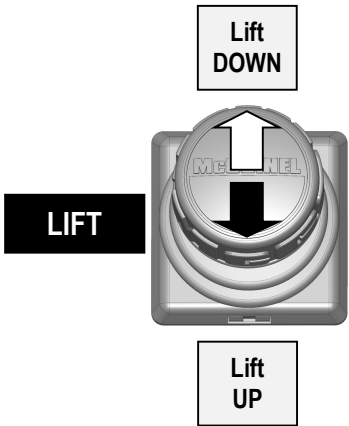
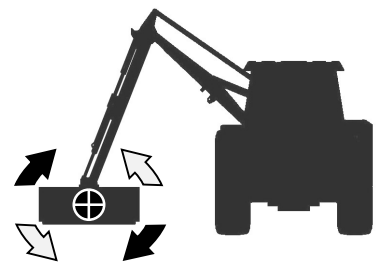
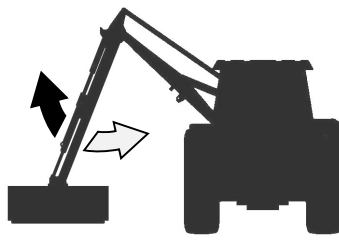
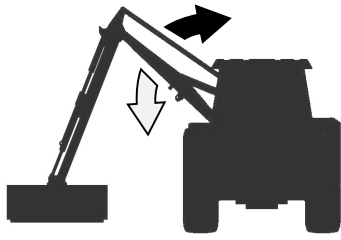
Thumbwheels & Buttons Identification



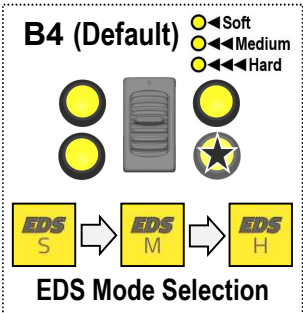
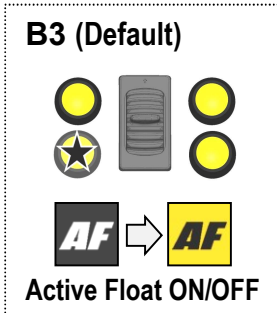
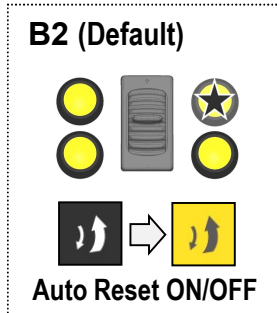
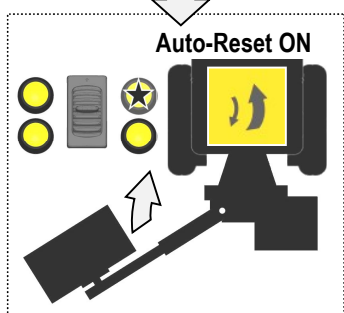
Joystick : Lever, Thumbwheel & Button Functions



Mini Joystick : Lever, Thumbwheel & Button Functions

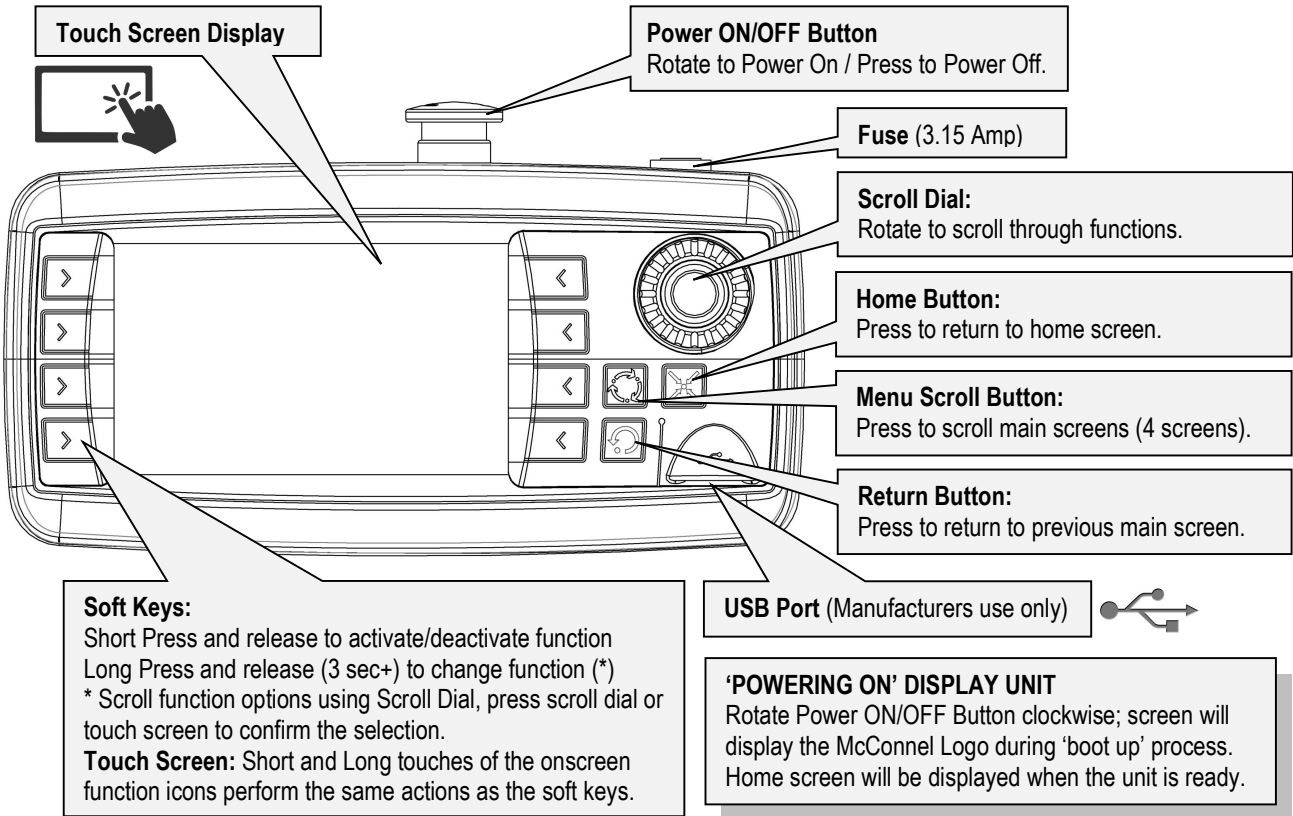


i
No function is configured to Button #1 on standard arm models.

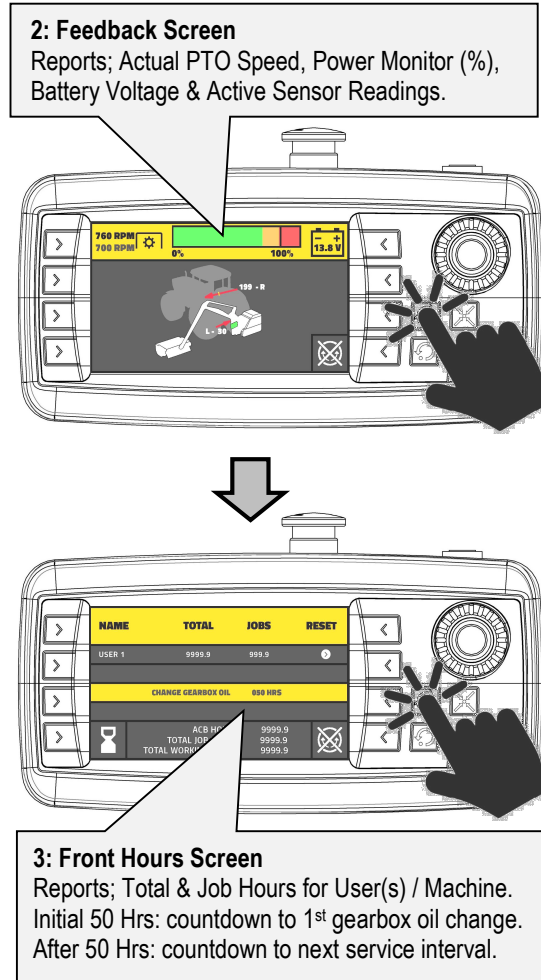
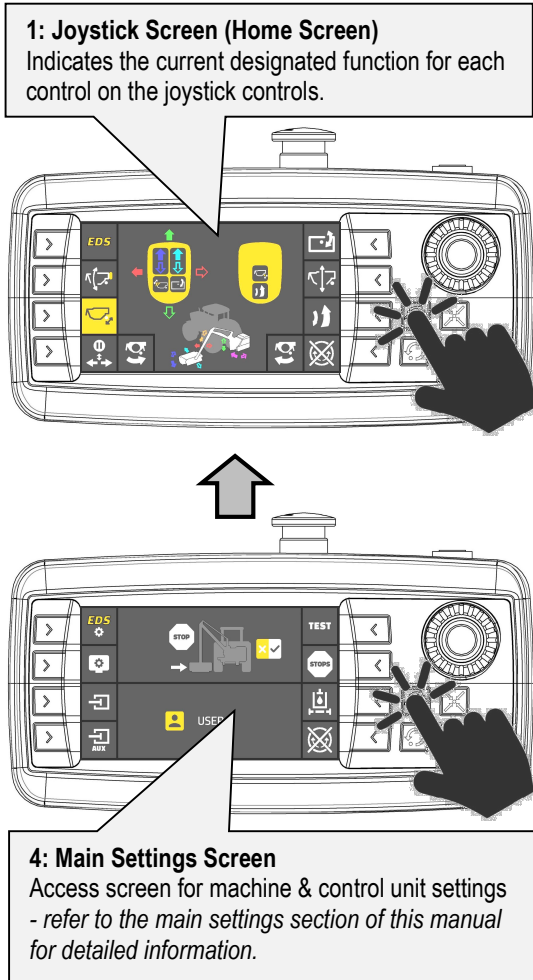


DISPLAY UNIT CONTROLS

Display Unit : Overview

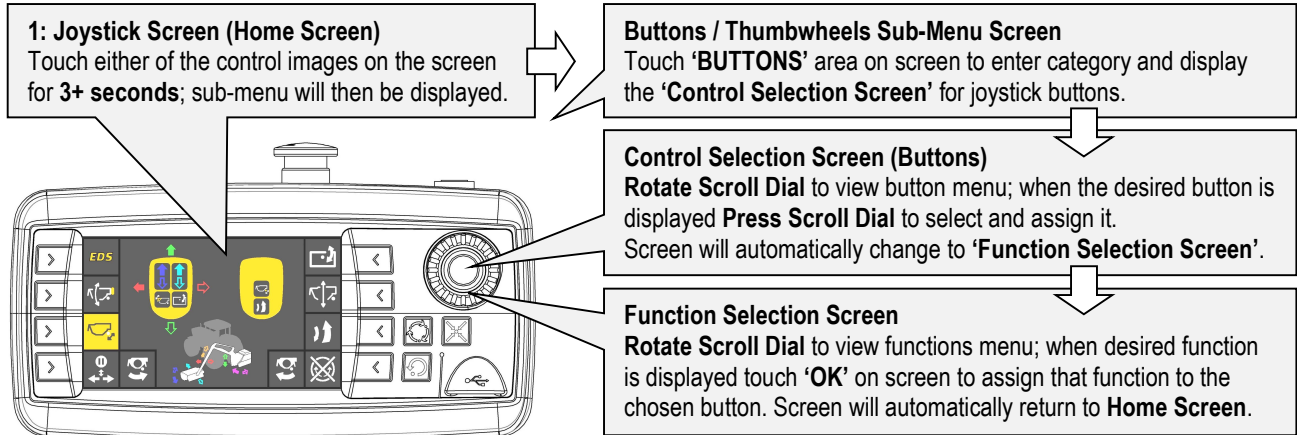


Main Screens : Overview

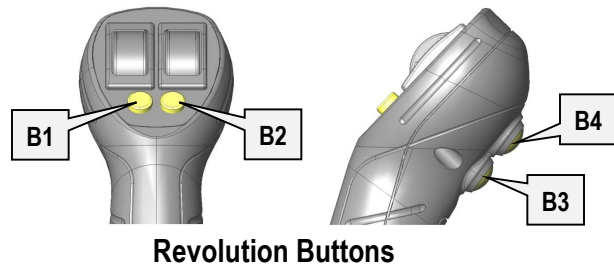
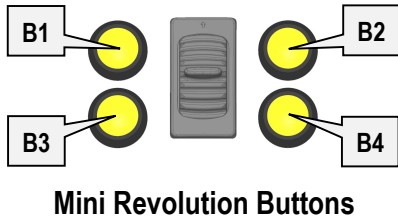


Screen 1 : Joystick Screen (Home Screen)

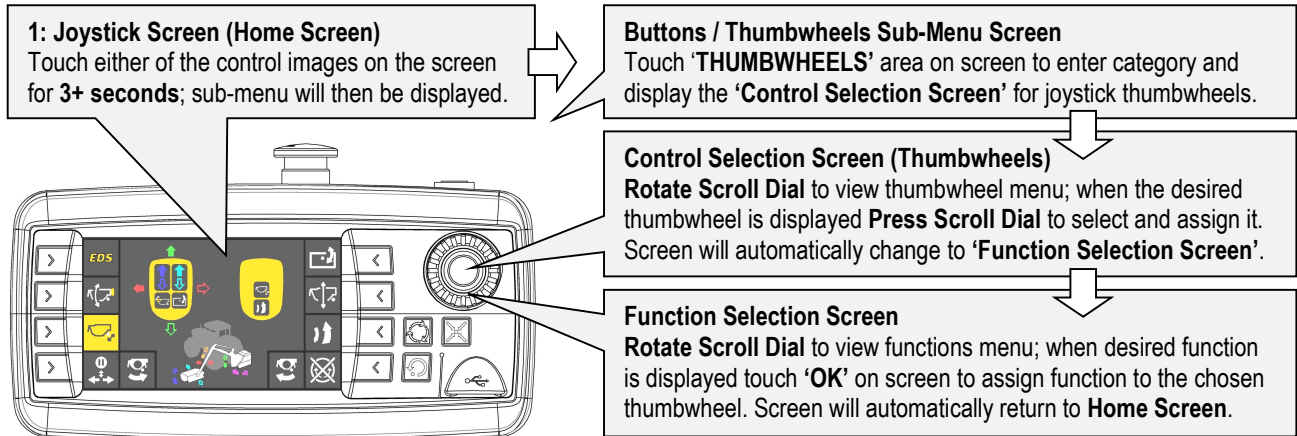
Configuring Button Functions



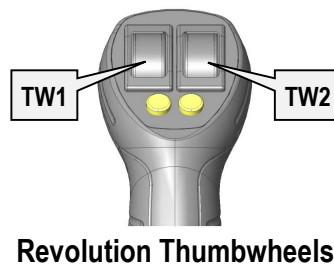
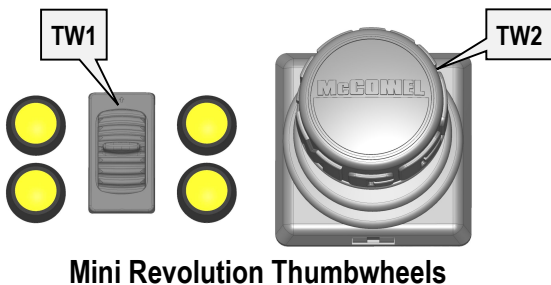
i On v6 controls, the button options that can be configured are B1, B2, B3 & B4 only; buttons B5 & B6 are not a valid selection on this control system.



Configuring Thumbwheel Functions

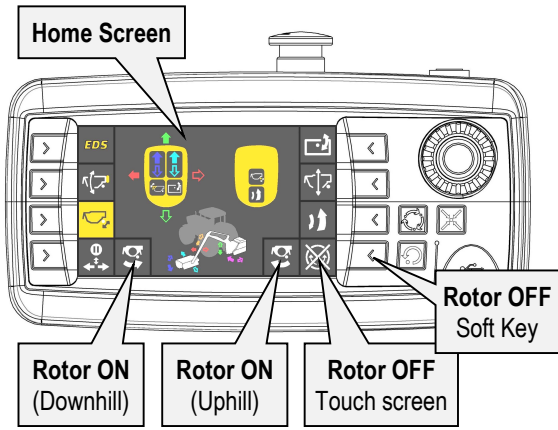


i On v6 controls, the thumbwheel options that can be configured are TW1 & TW2 only; thumbwheels TW3 & TW4 are not a valid selection on this control system.

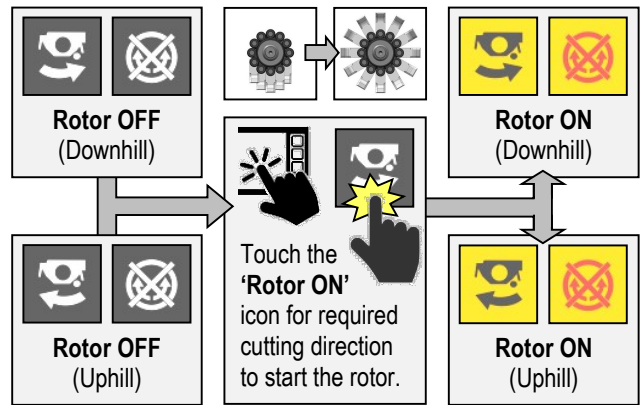


'Slew' & 'Angle' are the only functions that can be operated by the thumbwheels; by default they are assigned to TW1 & TW2 respectively; if required these can be swapped in the settings to TW1 for 'Angle' and TW2 for 'Slew'.

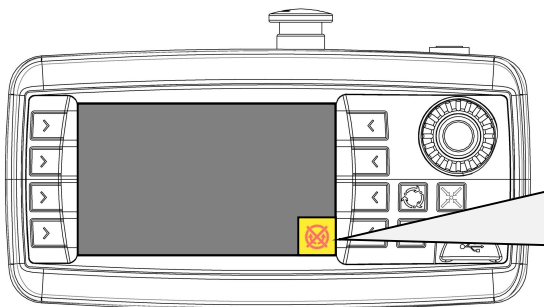
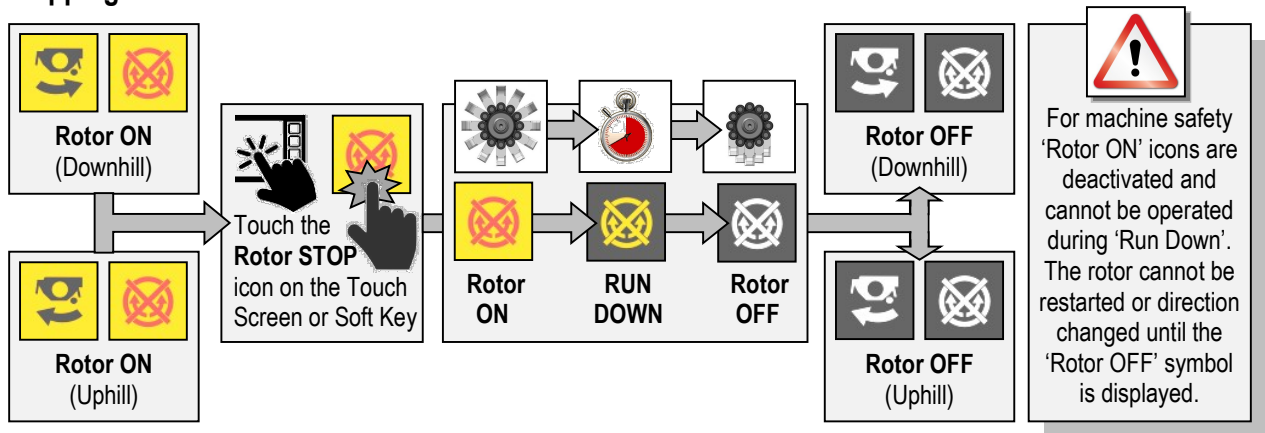
Rotor Operation



Starting the Rotor



Stopping the Rotor



'Rotor OFF' control icon is displayed in the same position on all operating screens.

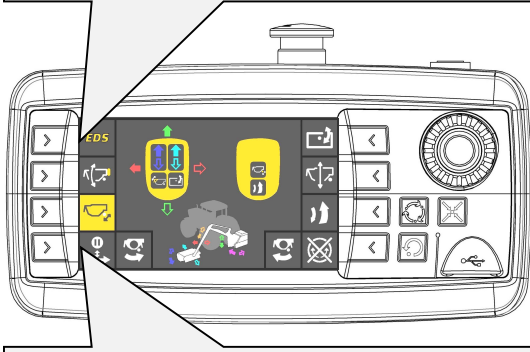
Rotor can be switched off using the screen icon or the adjacent soft key.

CAUTION

When switched off a rotor can continue to 'freewheel' under its own momentum for up to 40 seconds before stopping.

Function Controls

1: Home Screen
Short touch of screen icon or short press of its adjacent soft key will activate/deactivate function.



Long touch and release (3 sec+) of screen icon or the soft key will enter the function selection menu.

i Status Indicator; when a function is active (ON) the symbol for that function is 'highlighted' yellow.

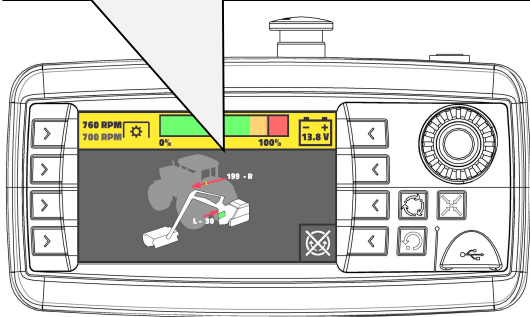
Function Icons & Control Settings:

			EDS Soft / Medium / Hard (toggle)		
	Active Floats ON / OFF		Angle Float ON / OFF		Lift Float ON / OFF
	Slew Swap ON / OFF		Auto-Reset ON / OFF		
	Diverter 1 ON / OFF		Diverter 2 ON / OFF		
	Rotor ON Downhill		Rotor ON Uphill		Rotor OFF

Functions available will depend on machine specifications.

Screen 2 : Feedback Screen

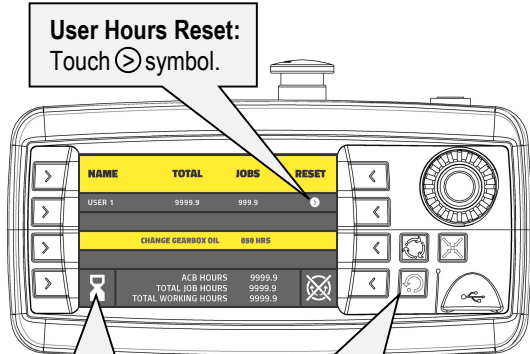
2: Feedback Screen
Reports; Actual PTO Speed, Power Monitor (%), Battery Voltage & Sensors Readings



Actual PTO Speed	Power Monitor: Displays power demand on the flail circuit during work.	Battery Voltage
	Reach Sensor Position (*)	
	Main Frame Proximity Sensor (*)	
	Lift Sensor Position (*)	

(*) where applicable

Screen 3 : Front Hours Screen



User Hours Reset:
Touch ⊙ symbol.

View Users List:
Touch 'u' symbol.

Return Button:
Press to exit Users List.

Users List / Detailed Hours Screen

Access to 'all user' reset
(Password protected).

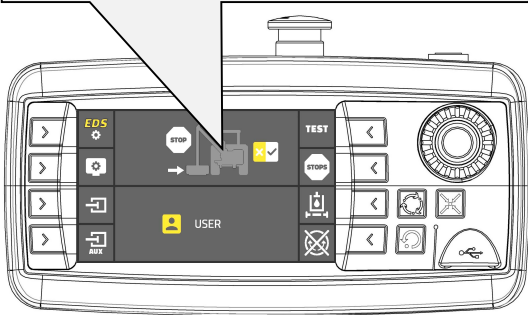
3: Front Hours Screen
Reports; Machine Total Hours.
User Job Hours *
(*) User Job Hours can be reset by touching ⊙ symbol on the screen.

On New Machines;
Displays hour countdown to the required 50 hours initial gearbox oil change.
After Initial 50 Hours;
Displays hour countdown to next Service Interval.

NAME	TOTAL	JOBS	RESET
USER 1	9999.9	999.9	⊙
USER 2	9999.9	999.9	⊙
USER 3	9999.9	999.9	⊙
USER 4	9999.9	999.9	⊙
ACB HOURS	9999.9	9999.9	
TOTAL JOB HOURS	9999.9	9999.9	
TOTAL WORKING HOURS	9999.9	9999.9	⊙

Screen 4 : Main Settings

4: Settings Screen
 Activation/Deactivation of Reach & Slew Stops.
 Current user display / select user.
 Access screen to main settings sub-menus.



STOPS Activation/Deactivation:
 Touch screen here to switch Reach & Slew Stops function ON or OFF.

EDS	EDS Setting	Test/Calibration Menu TEST
	Visual / Sound Menu	Reach & Slew Stops STOPS
	Valve Settings Menu	Oil Filter Information
AUX	Diverter Information	Rotor STOP

USER Current user; touch symbol to change user

i Status Indicator; when a function is active (ON) the screen icon for that function is 'highlighted' yellow.

EDS Settings : Master Activation & Report Screen

EDS	EDS Status		Factory/Dealer Settings
EDS : STANDARD	CUTOUT : ON		EDS Master Activation
ADJUSTMENT : BUTTON			Factory Default Reset
POSITION REACH : 0			Rotor STOP
PRESSURE LIFT : 0			
LIFT VALVE MIN : 45 MAX : 120			
SOFT : 36 - 140 MED : 31 - 135 HARD : 26 - 130			

i Touch Screen or Soft Key Access

Display & Sound Menu : Visual & Audio Settings

i Touch Screen Access Only

	Screen Illumination: Adjustment ±		Default Reset
	Button Illumination: Adjustment ±		Default Reset
	Day		Auto
	Night		Audio ON
	Audio Alerts		Audio OFF
	Reset All		Language Selection
	Screen Calibrate		

Changing User Language
 'Touch' the flag symbol on the screen repeatedly until the flag of the required language is displayed; switch the control unit off and re-boot to activate the new language.

The control unit is currently installed with the following languages;

	English		Danish		Dutch
	German		French		Polish
	Spanish				

Status Indicator; when ON/OFF functions are ON, the screen icon for that function will be 'highlighted' yellow.

Basic Valve Settings : Work Mode Selection

Work mode selection screen; available options are VERGE Mode or HEDGE Mode.

Hedge Mode (Valve Bank #1 settings):
Slower valve speeds for increased work accuracy.

Verge Mode (Valve Bank #2 settings):
Faster valve speeds for faster forward travel work.

Advanced Valve Settings : Access to Valve Settings

With the required work mode selected touch 'ADVANCED' tab on the screen to access the advanced valve settings screen.

Valve bank 1			
	BASIC	ADVANCED	
SLEW IN	MIN 40	MAX 99	↑
SLEW OUT	MIN 40	MAX 99	↓
LIFT UP	MIN 40	MAX 99	⊗
LIFT DOWN	MIN 40	MAX 99	
TELE IN	MIN 40	MAX 99	
TELE OUT	MIN 40	MAX 99	

i Changes to valve settings only alter the performance of Proportional Valves; changing the settings of the Bang-Bang Valves will not alter their performance.

Advanced Valve Settings : Valve Selection

Using 'on-screen' menu scroll the specific valve name to the top of screen then select the 'edit' icon to change the values in that valve.

Valve bank 1			
	BASIC	ADVANCED	
SLEW IN	MIN 40	MAX 99	↑
SLEW OUT	MIN 40	MAX 99	↓
LIFT UP	MIN 40	MAX 99	⊗
LIFT DOWN	MIN 40	MAX 99	
TELE IN	MIN 40	MAX 99	
TELE OUT	MIN 40	MAX 99	

Changing Valve Setting : Minimum Setting Value

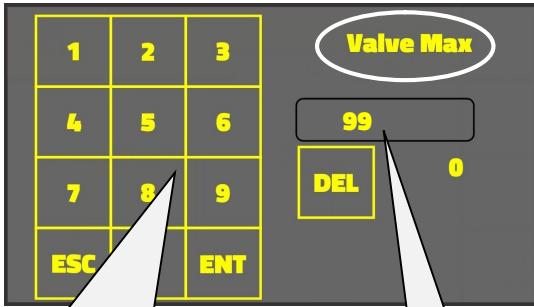
Enter numeric valve for the 'MINIMUM' setting.

i 'Touch Screen' input only

Touch 'ENT' to confirm setting; screen will switch to 'Valve Max' setting screen for the same valve.

Changing Valve Setting : Maximum Setting Value

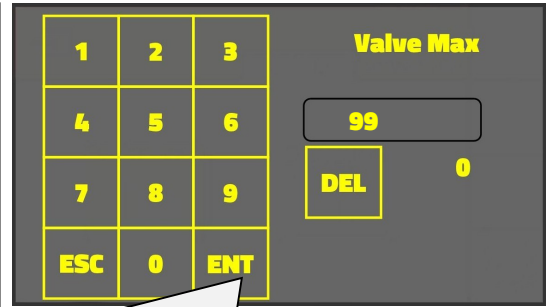
Enter numeric valve for the 'MAXIMUM' setting.



Enter desired 'MAX' valve setting. Input display.

Touching 'ESC' before 'ENT' exits the screen without changes to the settings.

'DEL' clears input display to amend a pre-entered value.



Touch 'ENT' to confirm setting; screen will return to the Valve Selection screen.

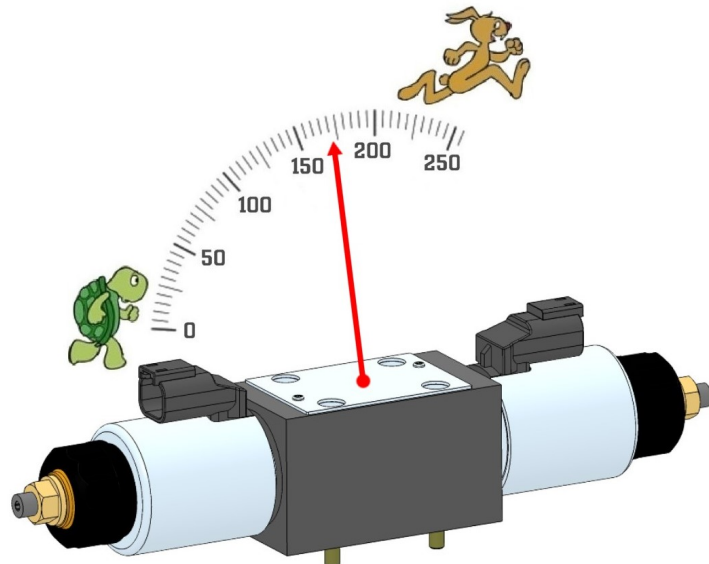
Repeat this procedure for each valve you want to change.

Default Settings for Valve Bank #1

Valve Service	Min Value	Max Value	Valve Service	Min Value	Max Value
Lift Up	55	180	Lift Down	55	250
Reach In	60	180	Reach Out	60	200
Angle CW	50	160	Angle A-CW	55	160
Slew In	55	180	Slew Out	55	120
Tele In	55	180	Tele Out	55	180
6 th Service In	55	180	6 th Service Out	55	180
7 th Service In	55	180	7 th Service Out	55	180

Values listed are recommended valve settings for normal hedge cutting operations.

The minimum and maximum settings relate to valve response times; values range between 0 and 255, the higher the value the faster the response time.



Diverter Menu : Information Screen & Symbol Customisation

The diverter menu screen lists and identifies the diverter valves. This screen also allows the user to replace the displayed diverter symbol with the symbol of the function currently assigned to the diverter; *the following illustrations show the procedure for changing a diverter symbol.*

The initial screen shows a table with columns: DIVERTER, DESC., and SETTING. The rows are labeled DIVERTER 1 through 5. A callout points to the 'D1' symbol in the 'SETTING' column of the first row, with the instruction: "Touch 'D*' symbol of Diverter Valve".

The second screen is the "Function selection screen" for D1. It shows "Current Symbol" and a "Scroll Dial" with a refresh icon. Below are "Cancel" and "OK" buttons. A callout says: "Function selection screen; use 'Scroll Dial' to search and display the chosen function description."

Labels for the first screen: Valve Identification & Descriptive Name, Valve Type, Default Symbol.

The function selection screen shows "Assigned function description" as "Head Orbitor". A callout says: "If Head Orbitor is the function assigned to D1, scroll to display 'Head Orbitor' then touch 'OK' to confirm." Below are "Cancel" and "OK" buttons. A callout says: "Touch 'OK' to confirm selection".

The resulting screen shows the diverter list with "HEAD ORBITOR" in the 'DESC.' column for DIVERTER 1. A callout says: "Screen will return to diverter list and 'D1' symbol has now been replaced with the 'Head Orbitor' symbol."

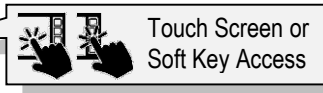
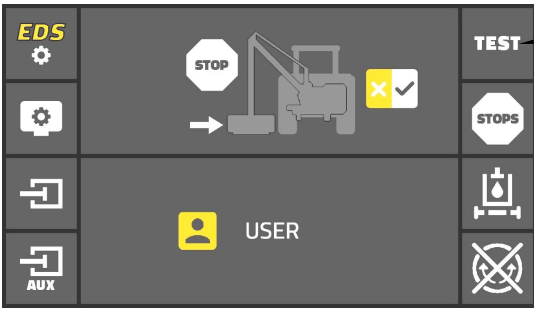
The "Home Screen" shows a grid of icons. A callout says: "Result of the above symbol change shown on example 'Home Screen'".

Labels: "Default 'Diverter 1' symbol....." and "...replaced with 'Head Orbitor' symbol."

⚠ WARNING

This procedure does not assign a function to the diverter, it will only change the symbol displayed 'on-screen' for the particular diverter control; *always ensure that the symbol assigned to the diverter is the correct symbol for the currently assigned function.*

Test Screen : Access to Test Menu

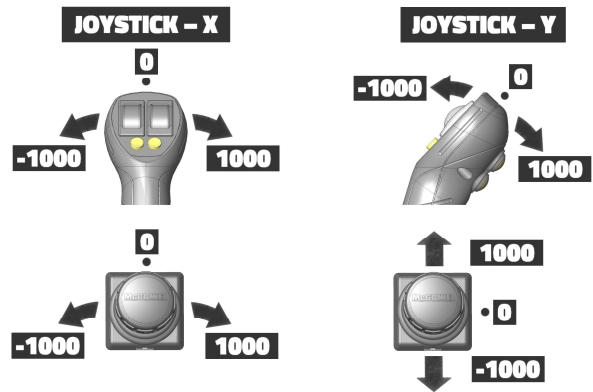
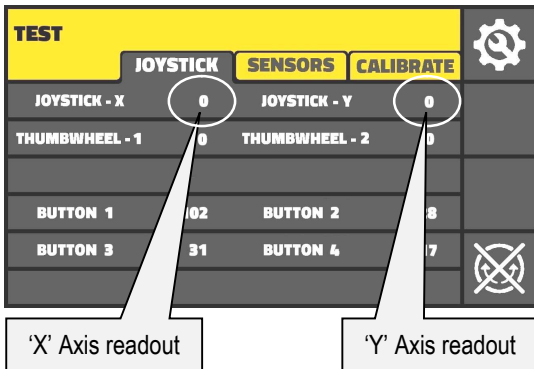


Test Screens; the 'TEST' function provides access to report and calibration screens for the joystick and sensors. Joystick tests are;

- Joystick Calibration Check (Output CAN-Count)
- Thumbwheel Calibration Check (Output CAN-Count)
- Button Cycle Count Test (Usage Figure)

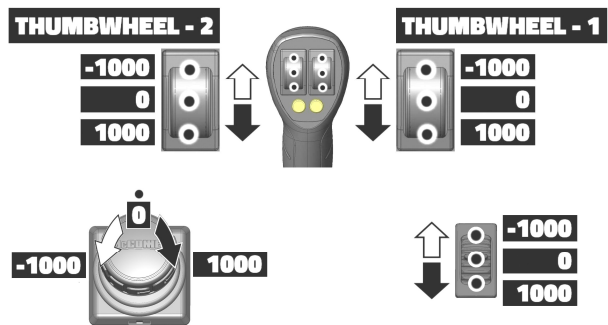
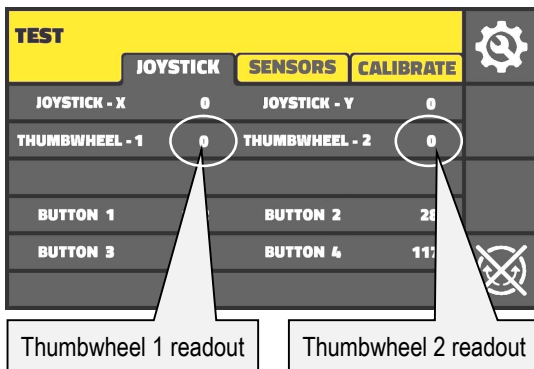
Test Screen : Joystick Calibration

To test joystick calibration operate the control lever to its maximum positions in both the 'X' axis and the 'Y' axis; calibration is correct when the test screen reports '-1000' & '1000' at the opposing maximum positions in each axis, and '0' at it's mid-point position.



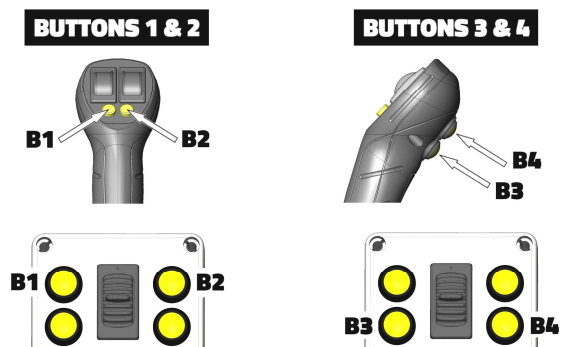
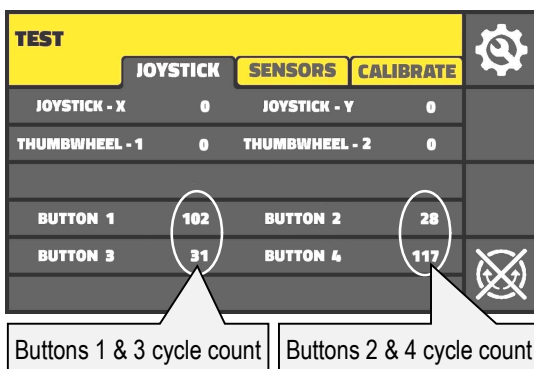
Test Screen : Thumbwheel Calibration

To test thumbwheel calibration operate each thumbwheel to it's maximum position in each direction; calibration is correct when the test screen reports '-1000' & '1000' at the opposing maximum positions and '0' at it's mid-point position.



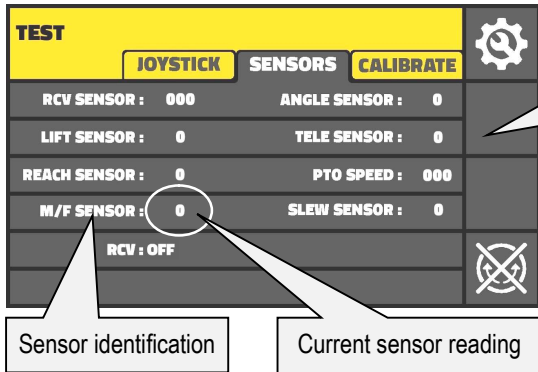
Test Screen : Button Cycle Count

The control unit counts each operation of the joystick buttons; the running total for each button is recorded on the test screen.



Test Screen: Sensors

The sensors test screen displays 'active' machine sensors and reports their current status or a measured value. The types of sensors fitted will depend on machine specification.



i Only sensors that are active will be displayed on this screen; for a sensor to be active it must be ticked (✓) in the 'Calibrate Test Screen'.

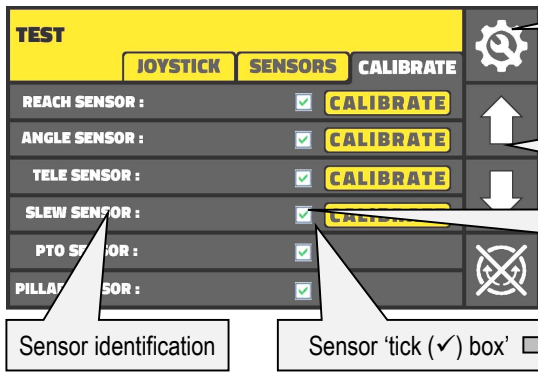
RCV Sensor will report one of the following depending on the current status: OFF, CLOCKWISE, COUNTER CLOCKWISE or RUN DOWN.

Position Sensors report a numeric value based on its current position.

Pressure Sensors report a measured pressure value.

Test Screen: Calibrate

The calibrate screen allows machine sensors to be activated or de-activated; sensors are 'active' when their respective box is ticked (✓).

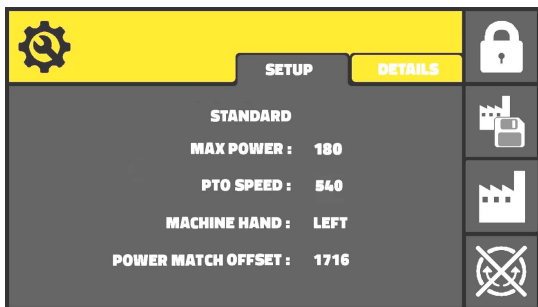


Access to Information Screens (Factory use).

Touch arrows on screen to scroll the list of available sensors.

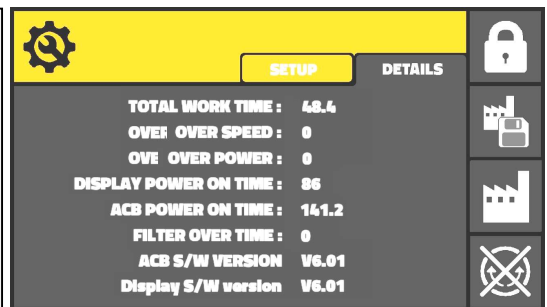
Touch 'tick box' on screen to Activate or De-activate a sensor.

Information Screens: Setup Screen / Details Screens (Factory use)



Setup information screen & machine details screen.

Protected access to factory settings.



Stops Screen: Reach Stops

Reach positions information. → Current Arm Position / STOP 1 Position / STOP 2 Position

Touch here to delete 'Reach STOP' settings.

i Touch Screen Control Only

Setting Reach 'Stop' Positions;
Position arms in desired stop position 1 - touch 'STOP 1 SET' on screen.
Position arms in desired stop position 2 - touch 'STOP 2 SET' on screen.

Touch here to set 'STOP 1' position. Touch here to set 'STOP 2' position.

i Activation and deactivation of Reach & Slew Stops is via the main settings screen.

Stops Screen: Slew Stops (VERSI Machines Only)

Slew positions information. → Current Slew Position / STOP Point 1 / STOP Point 2 / STOP Point 3 / STOP Point 4

Touch here to delete 'Slew STOP' settings.

i Touch Screen Control Only

Setting Slew 'Stop' Positions;
Slew arms to desired stop point position – touch the relevant 'STOP SET' symbol on screen to set 'Stop Point'. Repeat for each stop point required.

Touch relevant symbol to set 'STOP Point 1 or 2'. Touch relevant symbol to set 'STOP Point 3 or 4'.

i Activation and deactivation of Reach & Slew Stops is via the main settings screen.

'Slew Stop' positions are factory pre-set at 90° to the tractor on both sides and at 12° forward of those positions.

Filters Screen : Service Information

On-screen Information;
Oil Filter Part Number.
Recommended Filter Change Interval (Hrs).
Remaining time to next filter change (Hrs).
Filter Change Overdue Time (Hrs).
Recommended Oil Specification.

i

Touch 'RESET' symbol on screen to reset the filter hours counter.

Warning Screen : PTO Over Speed Warning

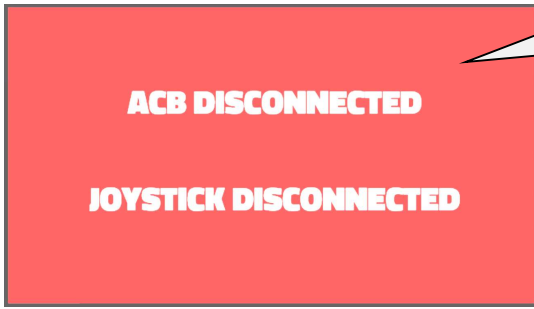
PTO OVER SPEED

! **RED SCREEN** will be displayed with 'PTO OVER SPEED' if speed reaches 200RPM above maximum.

! **AUDIBLE ALERT** will sound if the feature is activated (ON).

! **NO AUDIBLE ALERT** if the feature is deactivated (OFF).

Refer to 'Visual & Audio Settings' for activation/deactivation of Audio Alerts.

Warning Screen : ACB and/or Joystick Disconnected

RED SCREEN will be displayed with;
'ACB DISCONNECTED' and/or 'JOYSTICK DISCONNECTED'
If one or both are not connected to the control unit.

If either or both of these warnings are displayed
check the relevant components are connected.



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