

REVISIONS						
REV.	ECO	DESCRIPTION	VERSION	APPROVAL	DATE	
B	30289	REVISED PER ECO	1.2.0.7	JRW	10/20/17	
C	30600	REVISED PER ECO	1.2.1.1	JRW	12/18/17	
D	30632	REVISED PER ECO	1.2.1.2	JRW	12/22/17	
F	32030	REVISED PER ECO	1.4.1.5	E HERNES	11/12/18	

RELEASE NOTES:

VERSION:	1.4.1.5	FILE NAME: P483V1_4_1_5_70A85920.hex
		SIZE: 4,912,095 BYTES

Version 1.4.1.5 (11-6-2018)

- Fixed aux driver button color might not reflect hardware state when a driver was skipped in the list during setup
- Fixed aux driver latching option might not hide when that driver was set to None in the wizard
- Fixed aux driver objects might not get deleted on profile change or edit
- Decreased the likelihood of accidentally generating too many aux driver objects

Version 1.4.1.4 (11-5-2018 not released)

- Fixed aux driver names could appear as "Custom Name X" after a power cycle

Version 1.4.1.3 (11-5-2018 not released)

- Fixed NH3 with granular product on PR2 crashes in scale config wizard
- Fixed profile could get cleared on software update under certain conditions

Version 1.4.1.2 (10-23-2018 not released)

- Precision Farming: Disabled C offset for self propelled spreader
- Precision Farming: Fixed graphic for self propelled spreader
- Allow access to speed source selection at all times

Version 1.4.1.1 (10-05-2018 not released)

- Do not required master switch cycle if all actuators are type NONE.
- Ignore shutdown alarms if all actuators are type NONE.
- Allow access to profile changes regardless of master switch if all actuators are type NONE.

Version 1.4.0.19

- Added Precision Farming wizard.
- Added application modes Seed Rate Control (with clutches) and Seed Rate Control (no clutches) available for planter machine type.
- Added support for tank pressure sensor.
- Added PWM Smart Control.
- Added support for assigning unused section outputs as 12 volt auxiliary drivers.
- Enhancements to control algorithm.

NOTES:			TITLE:		
			SOFTWARE SPECIFICATION, PROGRAM, GVM RATE CONTROL MODULE		
			RAVEN INDUSTRIES, INC. SIOUX FALLS, SD 57104		
			SIZE	DRAWING NUMBER	REV
			A	077-0171-483	F
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			14979	N/A	1 OF 5

RELEASE NOTES:

VERSION:	1.4.1.5	FILE NAME: P483V1_4_1_5_70A85920.hex
		SIZE: 4,912,095 BYTES

Version 1.4.0.19

1. Added Precision Farming wizard.

2. Added application modes Seed Rate Control (with clutches) and Seed Rate Control (no clutches) available for planter machine type.

3. Added support for tank pressure sensor.

4. Added PWM Smart Control.

5. Added support for assigning unused section outputs as 12 volt auxiliary drivers.

6. Enhancements to control algorithm.

7. Added support for PWM Close Control Valve for NH3 application mode.

8. Added support for displaying blocked section states when paired with RBM.

9. Added support for selecting an ISO speed source through a diagnostic service menu and also using speed provided by RS1 ECU if available.

10. Added language support for Bulgarian and Hungarian.

11. Added turn compensation for product modes that have multiple control valves/rate meters.

12. Added support for a mid-bin level sensor.

13. Added new layout option for main run screen with 5 widget selections.

14. Added support for V4 pressure widget.

15. Added support for Raven wireless remote.

16. Added Level 3 activation to provide support for configurations with more than 16 sections/clutches, Granular Meter per Section application mode, Planter Seed Rate Control (with clutches) application mode and Planter Seed Rate Control (no clutches) application mode.

17. Added support for headland control mode.

1. Added Planter machine type with support for Planter Clutch Control up to 32 sections.

2. Added support for Granular Meter per Section application mode for Air Cart and Generic machine types.

3. Added support for wireless compatibility with Raven Diagnostic app.

4. Added support for Generic Scale only mode.

5. Added support for Liquid Slurry and Liquid Slurry Dragline application modes for Liquid Fertilizer Tool machine type.

6. Added support for Tiered Boom Low Side Drive application mode with the ability to configure three stack tiered boom systems.

7. Tiered Boom Direct Drive application mode now supports up to 15 sections.

8. Left fence row output can now be mapped to Section 1 output.

9. Added support for communicating with two ISOBUS Auxiliary Displays.

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CODE		SCALE	SHEET
14979		N/A	2 OF 5

RELEASE NOTES:

VERSION:	1.2.1.2	FILE NAME:	P483V1_2_1_2_42B8FCBF.hex
		SIZE:	3,643,754 BYTES

Version 1.2.1.2 (SVN Build 77336)

1. Fixed issue of Gate Height setting incorrectly adjusting Spreader Constant.

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CODE		SCALE	SHEET
14979		N/A	3 OF 5

RELEASE NOTES:

VERSION:	1.2.1.1	FILE NAME:	P483V1_2_1_1_64FCE713.hex
		SIZE:	3,643,754 BYTES

Version 1.2.1.1 (SVN Build 77157)

1. Updated section output logic for funnel control to turn inner section output ON when both sections on a side are commanded OFF.
2. Funnel Control application mode now displays the correct description when selected in the configuration wizard.
3. Fixed issue of always requiring a 2nd RPM product to be configured in the wizard when only one RPM product was selected.
4. Updated as applied test with scales to record lowest scale weight only when the implement has been idle for 10 seconds or more. Also disable as applied stop buttons when above minimum application speed.
5. Updated Dual Encoder Error alarm so it will not trigger during a PWM calibration test.

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14979		N/A	4 OF 5

RELEASE NOTES:

VERSION:	1.2.0.7	FILE NAME:	P483V1_2_0_7_6D93D074.hex
		SIZE:	3,642,626 BYTES

Version 1.2.0.7 (SVN Build 76260)

1. Added support for Granular Funnel Control application mode.
2. Spinner control products for a spreader machine type will now stop controlling to the target rate when all sections are turned off and will hold the current duty cycle.
3. Catch test can now be performed using the ISOBUS Auxiliary Display.
4. Added support for 2 RPM control products for spreader machine types.
5. Updated default Display Setup selections and now allow unused product tabs on main run screen to be configurable as Display Setup selections.
6. Added support for blockage monitoring communication.
7. Added support for gate height entry for spreader machine types.
8. Added NH3 Delta Pressure option for pressure sensors 2-6.
9. Added AccuFlow Dual Valve control option for NH3 HP+ systems.
10. Fixed issue of Task Controller Commanded Prescription state being set to Auto when the Task Controller commands it to manual.
11. Enhancements to CAN initialization at startup.

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14979		N/A	5 OF 5