User Manual of ISOBUS

👷 UNDER CONSTRUCTION

Please check this document next week

INTERNAL USE ONLY

The official user manual available for external use is being prepared...

在线使用说明仅限内部使用,外部使用的正式说明书正在制作中...

Hardware connection & cabling

Video: 🖹 ISOBUS hardware connection.mp4





AT2 Spare main wiring harness

No.	Name	Purpose enduer enduern
1	CAN Box	Converts signals , with one end connected to the serial port of th FJD autosteering kit and another end connected to the TBC Box.
2 2	TBC Box	Biases and terminates the bus when the implement ECU is discon CAN Box and the ISOBUS Box.
3	ISOBUS Box	Communicates with and powers the implement ECU through a pin connector.

- 1. 2 CAN Box connector (male) to connect to 3 TBC Box connector (female).
- 2. ④ TBC Box connector (male) to connect to ⑤ ISOBUS Box connector (female).
- 3. ⁽⁶⁾ Power port to connect to the battery of the machinery to power the ISOBUS cable harnesses.

- 4. ⑦ Implement bus quick-change socket, which complies with the ISO11783, to connect to implements.
- 5. ① 12-pin aviation connector (female) to connect to 12-pin connector of the AT2 Spare main wiring harness.







12-pin connector onf the AT2 Spare main wiring harness

Please refer to E 丰疆智能ISOBUS功能使用说明书-英文-final - 230807 - 替换二维码.docx for more information on hardware specifications.

Software User Manual 24.103.0.125

1. Performance Mode 性能模式

MENU>>APPLICATIONS>>ISOBUS

Video: 📄 ISOBUS Performance Mode.mp4

You may switch to ISOBUS Performance Mode the first time a new ISOBUS implement is connected. Loading of VT object pool is more stable under this mode. The system will restart if you confirm to enable performance mode, and a special icon on top left in the status bar will indicate that you are in ISOBUS Performance Mode.





icon of performance mode

2. Function Enabling 功能启用

MENU>>APPLICATIONS>>ISOBUS

Video: 🖻 Enable VT & TC.mp4

2.1 Enable VT 启用VT

VT is a free feature. Turn on VT in the ISOBUS module and you will see the VT window on the main interface.

← ISOBUS				ISOBUS 🖳			Ŷ	il 25 fil 14:57
Performance mode	Raul.Li 8171	Raul.	18717		• €∨ 7 🔊	0.0 0.0 <u>0</u>	72 ⁻ 10 0.00 3. 0.10 क 10.	00
COFF OFF					14:57:40	35.0 60	1.20 WPa ka 2 024 71	/ h #
ISOBUS VT	ISOBUS TC-SC 85 days			a a	Ra	300. M ⁹⁹¹ 3.		10-1-10 FJ-2-10 FJ-2-10 FJ-
ON 11	OFF			Raulti Bi				
ISOBUS AUX 89 days	ISOBUS TC-GEO 89 days			111847	AUX	0.0 🛠 0.0	0.0 6	0
OFF	OFF	Info Sta	tistics Settings	MENU Overview	Line Creation	Switch	IS Work	Manual,

2.2 Activate and enable TC-SC 激活并启用TC-SC

Activation codes are needed to activate TC-SC, TC-GEO and AUX-N. To have a try-out of these functions, please turn to your FAE for help, they will apply for you. Enter the code in the pop-up window and check the activation information. Please remember that once the code is used, you may not activate the same function on another control terminal.

Turn on TC-SC in the ISOBUS module and you will see the TC window on the main interface.



2.3 Activate and enable TC-GEO 激活并启用TC-GEO

TC-GEO shall be activated with the same procedure as TC-SC. Turn on TC-GEO and you may configure a prescription map and apply variable rate via the entrance "Rx" in the TC window.

← ISOBUS	ft to .	♥ ISOBUS ➡	
Performance mode	FJD Isobus Sprayer	☑ 0.02 ha 🧭	3.6 km/h → 0.0 →
OFF ISOBUS VT ISOBUS TC-SC 85 days	Spraying FJ Dynamics International Limited 1.0.2.6(9) FJTK1A4247000092C VT 3 TC 4 TC-BAS TC-SC spraying 35.00m Section:7 100.0L/ha 200.0L/ha		
Rau ON CON		FJD Isobus Sprayer	
ISOBUS AUX ISOBUS TC-GEO 89 days 89 days	° 🥥 🥠 🕞	Channel I - 100.0 200.0 1 II	
OFF ON	Info Statistics Settings	MENU Overview Line Creation	Isobus Work Manual

2.4 Activate and enable AUX-N 激活并启用AUX-N

AUX-N shall be activated with the same procedure as TC-SC. Turn on AUX-N and you may configure auxiliary assignments via the entrance "AUX" in the VT window.

E ISOBUS		-73		- 73	🔷 Default 📮					្ត រីរា	25	15:54
Performance mode					<u>III</u> 🖌 0.03	2 ha 🦳 3.6 km/h	ν τ ♣	3.5 12.0 Km/h A	Radio Mag 1 UTO Ltr/ha	Teejet XR11004	A	Ā
OFF					0			1.00 m	• • • • • • •	Ltr/min		ଡ
ISOBUS VT	ISOBUS TC-SC						5		1800 1800 ha	F) 12-16-4 172-16-4 172-170-198/12 11-272-178/12	-	4 ‡
Racidobed VI 2024/08/22	84 days					15	54:51				ERGO	
ON	OFF				Raulitis			ΔΔ Δ			⊗	
ISOBUS AUX 89 days	ISOBUS TC-GEO 89 days	Raul				and the state		km 4	SPO SPO	EF TC ALL		
ON	OFF	Info	Statistics	Settings					Isobus	A.		
					MENU	Overview Lin	e creation	Switch	ON	WORK	Ma	inual

3. Implement connection 机具连接

Video: 🖹 Object pool loading.mp4

Once the implement is properly installed and connected to FJD Auto Steer System, loading of VT and TC object pools will start instantly and you may check the loading progress in VT and TC

windows.

Once the implement VT is connected, a tab with the VT address is displayed in the VT window on the left side. A description of the implement and its function is shown on the main interface in the VT window, followed by a main process bar, indicating the overall loading process. Another process bar shows the loading process of each object pool from the VT. When the main process bar reaches 100%, the VT interface of the implement will appear in the VT window.



TC object pool loading process is shown by a process bar in the TC window. When it reaches 100%, a pop-up window with the basic information of the implement will appear.

♥ Default 🖳		♥ Default	÷	∜ 25 <mark>⊕</mark> 18:41
🕮 🔄 3.29 ha 🏈 3.6 km/h		/II)		/ha 1/2 STAR
				стукито ↔
	10.00 B	tan art and Raul Li 8171	FOU Connected	в 🔗 \ominus
		fin to an and the	ECO Connected	
STATISTICS STATISTICS	ACK 17500 - 25 15.0 ks	ECU	Fertilizer Spreader	
HAAAAAA	AUX 4 0 kg 0 . 0 ha	SN	N/A	-
		Fertilizer Spr Software version	EDW2_ISO_DEM0,1.22.1.10,2020-12-	
Loading 90%	1.1	at the	atth th	
1444	<u>R</u>	a start south		
	Isobus		Isobus Wark	<u>A</u>

4. Preparation 预备作业

4.1 Implement setup 机具设置

MENU>>DEVICE SETTING>>Implement Library

Video: 🖹 Implement setup.mp4

For each ISOBUS ECU, an ISOBUS implement needs to be created in Implement Library, and it will be bound up with the ISOBUS ECU. The next time when the ISOBUS implement is connected, the corresponding implement will be applied automatically.

Please follow the procedure below to create a new ISOBUS implement.

Control Type

To create an ISOBUS implement, please select ISOBUS as the control type of the implement. The name of the implement ECU will be displayed underneath. There might be multiple choices if there is more than one ISOBUS device connected via CANBUS. Select the one that shares the same designator as your implement ECU and continue.

Туре

The type of implement is chosen automatically if it is reported by the implement ECU. You may also edit it manually if it is not properly set.

Press the "refresh" button in the bottom left corner, the chosed type will be refreshed to what is reported by the implement.

Information

The name and way of connection is set automatically if they are reported by the implement ECU. You may also edit them manually if they are not properly set.

Press the "refresh" button in the bottom left corner, the name and way of connection will be refreshed to what is reported by the implement.

Parameters

1. Skip/Overlap

The spacing or overlapping between two adjacent rows.

2. Implement working width

The total width of the implement sections will be automatically calculated and filled in. It cannot be edited manually for ISOBUS implements.

3. Implement overall width

The total width of the implement. It is used to reserve the safety distance during automatic path planning.

4. Distance between hitch point to working point of implement



The value will be automatically calculated and filled in. It can be edited to better fit in the real working scenario.

5. Distance between hitch point to rear of implement

The total length of the implement. It is used to reserve the safety distance during automatic path planning.

6. Implement offset

The value will be automatically calculated and filled in. It can be edited to better fit in the real working scenario.

Summary

Basic information of an implement is summarized on this page.

Press "Next" to continue setting up parameters, especially required by ISOBUS implements.

Channel

Each channel stands for a specific application scenario or a cultural practice.

Press the "refresh" button in the bottom left corner, some of the channel information will be refreshed all together to what is reported by the implement.

*Only one channel is supported at present.

Channel - Type

Enter the channel name and select a material for the channel.

*Refer to the chapter "Material setup" for details.



Channel - Offsets

If the working units of the implement channel are not mounted on the center of the boom, there will be an offset of the channel. The offset of the channel will be automatically synchronized from the implement ECU and cannot be edited.

Edit channel

Back

Edit channel

700.0

700.0

Edit chann

Туре

0.00 m

0.00 m

Edit chanr

Section: 1

Width: 5.0m

L/R offset: -15.0m F/B offset: 0.0m

C

Boundary Switching Overlap

Boundary Start Overlap (a) 🔞

Boundary End Overlap (b)

undary latency-ON

Application latency-ON

Jeo-

0.0

K Back

K Back

75

K Back

Section: 2

Width: 5.0m

L/R offset: -10.0m F/B offset: 0.0m

K Back

Section: 3

Width: 5.0m

L/R offset: -5.0m F/B offset: 0.0m

Offsets

X

m

X

ms

ms

×

×

Section: 5

Width: 5.0m

L/R offset: 5.0m F/B offset: 0.0m

> Next

Boundary latency-OFF

Application latency-OFF

Next

Ge

75 %

Coverage Switching Overlap

Coverage Start Overlap (a) 🕝

Coverage End Overlap (b)

> Next

Section: 4

Width: 5.0m

L/R offset: 0.0m F/B offset: 0.0m

为 Next

0.00 m

0.00 m

700.0

700.0

ms

ms

Channel - Latency

It may take some time for the sections to respond to the instructions, thus the instructions will be issued ahead of time to deal with the delay.

The latency of the channel will be automatically synchronized from the implement ECU and cannot be edited.

Channel - Overlap

To avoid waste of material and pollution, sections will be automatically closed when they are out of boundary or inside the worked area. The performance of overlapping control will be defined by the parameters on this page.

*Refer to the chapter "Overlapping settings" for details.

Channel - Geometry

Number of sections and the width of each section will be automatically synchronized from the implement ECU. The total width of all sections is automatically calculated and displayed above.

*If the section width is not synchronized properly (the value is 0 in a few cases), it can be corrected manually by pressing the "edit" button.

Channel - Overview

Summary of channel information.

						Edit channel	8171	Raul Li 81	×
						Type Off	fsets Latency	Overlap Geon	netry Overview
					Raul	Туре			
						Channel name	spraying	Preferred in use	NO
						Material Name1	herbicide	172.16.4.111 172.16.4.111 172.16.4.111 172.16.4.111 172.16.4.111 172.10.4.111 172.10.4.1111 173.10.1111 173.10111 173.1011111 173.101111111111111111111111111111111111	
						Latency			
					a aut	Boundary latency-ON	700.0	Boundary latency-OFF	700.0
					Kour	Application latency-ON	700.0	Application latency-OFF	700.0
						Control information			
							K Back	Save	- at 10 10
					Raut	118171	Rault	9171	RaulLi
Overvi	ew					Configuration			
ul.Li 8171	<i>c</i> · · <i>c</i>	Raul Li 8171				Impleme	ent control	Oven	view
Summa	ary of inforr	nation of al	l channels.			Implement information		. 15	
					Raul	Name	FJD Isobus Sprayer	Туре	Spraying
						Vehicle Brand		SN	FJ-52-41 172.16.4 172.7806
						Channel I			
						Channel name	spraying	Prioritized	NO
						Material Name	herbicide	Control type	ISOBUS Task Control
					Raul	Boundary latency-ON	700.0 Rauli	Boundary latency-OFF	700.0
						A State of the sta	Back	🖬 Save	1
	171					1710		0171	
	at a wial a		生き シス 中国						
· IVI	aterials	ecup 初	种攻直						
WILL ST		RaulList		RaulList					
MENU	J>>DEVICE	SELLING	>>Materia	l Library					

Video: 🖹 Material setup.mp4

A material carries critical information of target rates. Create new material and set the rates properly according to the requirements of application scenario or cultural practice.

Edit material	RaulLis	171 1		Edit material		Raul.Li 8171	×
Material Name		Material Category		Target Rate I		Target Rate II	
* herbicide		* Liquid Spraying	-	* 100.0	8	* 200.0	8
Material Type		Unit Raul.LIST		Raul.LTOL	Raultigr	- 计阶段	RaulLIOT
* Herbicide	-	* L/ha	13 10 × 10 10	Rate Increment		Rate Range	
Target Rate I		Target Rate II	11. 163 32.404 170 172. 16. 4. 170	10.0 % 52.0 4 170 172 manual 4 170			300.0
* 100.0 2024/09/24	8	* 200.0	202 S	Material Code/ID		Material Brand	1125-34 05/23 3124 05/23
Rate Increment Raul U 8171		Rate Range Raul 118171		Density	Raul.Li 817		Raul.Li 8171
* 10.0	8	* 80.0 🛞 300.0	8	* 1.0	8		
Raul.Li 8171	RaulLis	3171 Rai	1.118171	Raul.Li 8171			
		Save				Save	
* (注) (1111 - 11		•	·····································	#LANK #LANK	<i81€< td=""><td>新社社···································</td><td>0011118171</td></i81€<>	新社社···································	0011118171

	Roul Li 8171	Raul Li 8171	RaulLi 8171
Parameter	Description		
Target Rate	Amount of application	(E.g. Volume per unit	area)
Rate increment	Change in target rate w	vith each adjustment	
Rate range	Adjustable range of tar	get rates	

Material library	Raul.Li 8171	Raului Si 🔍 🗙 🛛	Material library	Raul.Li 8171	×
Enter material name	Liquid Spraying-herbicide		Enter material name	Liquid Spraying-herbicide	
herbicide	Herbicide		herbicide	Herbicide 8171	
Liquid Spraying	Material Configuration		Liquid Spraying	Material Brand	
Default material	Material Type	Herbicide	Default material	Material Code/ID	
Granular Fertilizer	Material Name	herbicide	Granular Fertilizer	Unit 172.16.4.103	L/ha
	Material Category	Liquid Spraying		Density	2024/05/2
	Material Brand Raul Li 8171			Target Rate I	Raul.LI 8171 100.0
	Material Code/ID			Target Rate II	200.0
	Unit Raul.Li 8171	Raul Li SIT L/ha		Rate Increment Raul LI 8171	10.0
	Density	1.0		Rate Range	80.0-300.0
NEW UPLOAD SYNC	EDIT DELETE	COPY	NEW UPLOAD SYNC	EDIT DELETE	СОРУ

4.3 (Export & import of TASKDATA.XML 任务文件导入、导出)

MENU>>APPLICATIONS>>Data Transfer

Tasks created on FMS platform or other control terminals can be imported in the form of a standard **TASKDATA.XML** file via Data Transfer.

4.3.1 Export a TASKDATA.XML file 导出一个TASKDATA.XML文件

Enter the Data Transfer interface, select a task file in the "Local" folder along the following path:

Field >> Client >> Farm >> Field >> Task >> TASKDATA.XML

Click on the "Export" button and select file format "ISOXML", and select "export merged file". A standard TASKDATA.XML will be generated copied to the USB. If the task file contains tracks of the worked area, you may choose whether the tracks should be exported. If there is already a file that has the same file name as the file to be exported, you may choose whether you want to cover the existing file or stop exporting the file.



4.3.2 Import a TASKDATA.XML file 导入一个TASKDATA.XML文件

Enter the Data Transfer interface, select a TASKDATA.XML file or a folder that contains a TASKDATA.XML (which may also contain some external files that end with .xml). Click on the "Import" button and the task file will be imported and parsed. Please check the details of the imported task in MENU>>FIELD>>Field.

If the imported TASKDATA.XML does not contain information on Field, you have to select an exsiting field (you may also create a new field) to which the imported task belongs.



Note:

- 1. The imported task file should be named exactly as "TASKDATA.XML" (all capitalized).
- 2. When switching Field, Boundary, Guidance line or Task when there is an ongoing task, the task will be paused and can only be started manually after switching.

4.4 Task setup 任务设置

MENU>>FIELD>>Field

Video: E Task setup.mp4

For quick setup of a new task, please go to the "Overview" section and complete the configuration of Field, Guidance line, Boundary, and Task. The implement is already configured as stated in the chapter "Configuration".

Note: Only the tasks that fall under the group of "Incompleted" can be applied.

4.5 (Prescription setup 处方设置)



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4.5.1 Prescription map generation & import 处方图生成

Video:

FJD FMS--simple prescription: 🖹 FJD FMS prescription.mp4

FJD FMS--NDVI prescription: FJD FMS--NDVI prescription.mp4 🗉 Image Prescription

Fieldview (third-party): Prescription generation.mp4

Please refer to the above videos and prepare a prescription map in advance.

Prescription maps in XML, SHP and TIF format are supported. You may check the imported prescription map in "Menu--FIELD--Field--Prescription".

Note:

XML(offline)--please import the XML file together with the bin file, or you may also import a zip file that contains the XML and bin file.

> Documents > Prescription Maps > FMS	> TASKDATA		
名称	修改日期	类型	大小
GRD00000.bin	2024/6/6 21:01	BIN 文件	11 KB
	2024/6/6 21:01	Microsoft Edge HT	2 KB 200306

XML(online)--Online transmission of XML prescription map is supported with Farm management system. Choose synchronize data and the prescription map will be synchronized to the bonded terminal. You may check the imported prescription map in "MENU--FIELD--field-current field--current task--Prescription".

n Management System	Dashboard	Farm 👻 Equipment 👻	Tasks ▼ Materials ▼	Prescription People 202 11:1	4-06-12 ⊕ English ▾ ● № 2
11	11/18171	sulli ⁸	171	1118171	8171
Search prescription	Q Search 📿 Re	set			
+ Add					
Name	Field	Name	Materials	Time Created	Action
TO 050 00111 8171	70.050				Details Export
IC-GEO	IC-GEO	fertilize	Tertilizer	2024-06-12 11:12:01	Synchronize data 🚾 Delete
					Dataile Export

SHP--for prescription maps in SHP format, please add "prescription" (case insensitive) into the name of each file, otherwise they might be parsed as boundaries.

> Documents > Prescription Map	s > Fieldv	iew > Protection > presc	ription_Protection		~
名称 Raulu StTI 个		修改日期 Rauluistri	类型 RauliusITI	大小	
prescription_Protection.dbf		2024/6/6 14:10	DBF 文件		1 KB 🔬
prescription_Protection.prj		2024/6/6 14:10	3 ⁰⁶ PRJ 文件		1 KB 00300
prescription_Protection.shp		2024/6/6 14:10	¹⁶⁰ 10cel SHP 文件 ¹¹⁸¹⁷¹		1 KB 0 100
prescription_Protection.shx		2024/6/6 14:10	SHX 文件		1 KB

TIF--It may take some time (up to several minutes, depending on the file size) to import a TIF file, please wait patiently. You may check the imported prescription map in "MENU--FIELD--field--<u>current field--current task</u>--Prescription".

	Prescription Maps & DIL & field			
Rauthall				
名称	日期	类型	大小	标记
fertilizer.tfw	2024/6/6 22:27	TFW文件	1 KB	
🖹 fertilizer.tif	2024/6/6 22:27	TIF 图片文件。	7 KB	

4.5.2 Prescription import & configuration 处方图导入

MENU>>APPLICATIONS>>Data Transfer

MENU>>FIELD>>Field

Video: 🖹 Import prescription map.mp4

Import the prescription map via Data Transfer. Once imported successfully, you may find the prescription map in Field>>Prescription.

		Raul.Li 8171
		Raul.Li 8171

+ Field Boundary Guidance Line Task Prescription TC-GEO TZN_2024-08-232015 02 65.0 80.0 **∲ ⊞ TZN_20...01502** Prescription are 0.77 Default rate 93.00 Grid resolution 10.00 × 10.00 Ш

4.6 (Select recode mode 选择计亩模式)

Once an ISOBUS implement is applied, the system will automatically enable the "Auto record-Section" mode, with which the record status of the worked area is determined by the ON/OFF status of each implement section. The record and rendering is started automatically when a section is ON.

Note: You may also switch to other record mode but the record and redering will be less precise.



Record Mode	Record Strategy
Manual record Route	The record status is consistent with the task status. The record starts when the task status is switched to "ongoing".
Auto record- Autosteering	When the task is ongoing, the record status is consistent with the status of driving mode. The record starts when in autopilot mode.
Auto record-Section	When the task is ongoing, the record status is consistent with the status of implement sections. The record starts when the implement sections are on. *Only available with ISOBUS implements
Auto record-Rate	When the task is ongoing, the record status is consistent with the status of implement sections and the real-time applied rate. The record starts when the

*Only available with ISOBUS implements when a prescription map is in use

4.7 Speed source setup 速度源配置

Video: 🖹 Speed source setup.mp4

Speed source should be configured before starting the operation, otherwise TC might not function properly. Ensure that the selected speed source is the same as what is set in the implement VT. The frequency must meet the communication requirements of the implement.

Note: Different implement manufacturers may require different frequencies. Confirm the frequency with the implement dealer if necessary.

5. Start ISOBUS Operation 开始ISOBUS作业

5.1 Start/Pause task

Click on the Start/Pause button in the Menu Bar to start a task. Please note when the task is paused, VT is still operable while TC may not function properly. Only when the task is started, does the system start to record the worked area.

5.2 Main Screen Elements

5.2.1 VT Window





Work

Auto

ä

Pause

Auto

No.	Element Rest 1827	Description and and and and and and and and and an	
1	VT window	Implement VT screen, consisting of the following elements.	
2	VT tab	Tab to switch between and activate VTs.	
3	Settings	Fast entrance to ISOBUS settings.	
4	Data mask area	Displays the implement status, information, and alarm messages.	
5	Softkey area	Allows for screen switch and quick implement control.	
6	ACK	Clears alarm pop-ups in VT.	
7	AUX	Assign auxiliary inputs and functions.	
8	Zoom button	Zooms in or out of the VT window.	

5.2.2 TC Window



No.	Element	Description	
1	TC window	Implement TC screen, consisting of the following elements.	
2 Raul (1917)	Section control screen	Displays the section control information.	Raultigr
3	Manual/Auto mode	Switches the section control mode.	Raul.Li 8171
4	Section display area	Displays the section status and application rate.	
5	Rate display area	Displays the target rate and real-time rate of the implement.	Raul.Li 8171
6	Lock button	Locks the section status in manual mode.	
7	Rate control screen	Allows for rate adjustment and quick rate switch.	Raul.Li 8171

5.3 VT operation

Video: 🖻 VT operation.mp4 🖹 VT operation.mp4 🖹 AT2 VT操作_20230722.mp4

The control terminal of the implement is taken over and displayed in the VT window. Check the running status of the implement and change implement settings are supported, as if using the original implement control terminal.

*When enabled together with TC, VT is minimized under the default layout. You may click on the VT button on the top right of the VT window to maximize it.



5.4 TC operation

Video: E TC operation (23.103.3).mp4 TC operation.mp4 Raven operation-VT&TC.mp4

5.4.1 Section control 区段控制

Sections will be turned on and off automatically under auto mode when passing the selected bonudary and the worked area, according to the settings of latency and overlap, etc. You may also switch to manual mode and turn on and off each section manually.

5.4.1.1 Overlapping settings

The overlap settings are slightly different between an applied material that is "Granular Seed" and others.

Overlap settings for "Granular Seed"

Description			Interface		
Boundary Sta	rt Overlap (a)		Edit channel	ITI811	×
			Тур	Boundary Start/End Overlap	rview
			Boundar RaulLi 8171	Raul.Li 8171	
Boundary End	l Overlap (b)		())= (),000 (),0		2 1 19 18 19 19 19 19 19 19 19 19 19 19 19 19 19
			Rauli Boundar	a	12.10.100/23 R3(2024)06/23
			0.00	·:	
			Please set the overlap distar	nce according to the task requirements. An excessively large overlap distar may affect the performance of the section control.	nce
				✓ ок	
			Wards Wardshife	G Save	and a second
			0171		



Overlap settings for other materials



RgulusIII RaulusIII

Raul.Li 8171

aul.Li 8171



5.4.1.2 Special section control strategy

5.4.2 Rate control 速率控制

Once material is configured for each channel, the implement will follow the target rate set with the selected material. You may also adjust the target rate by pressing the "+" and "-" button during operation, the adjustment step is determined by "Rate increment" and adjustment range by "Rate range".

5.4.3 GEO (Variable rate) 处方图可变速率

Video: 🗄 TC-GEO application.mp4

Click on the Rx button and select a prescription map for the current channel. Configure the necessary parameters such as default rate and latency.

When there is a prescription map selected, you may switch to Rx mode and apply a certain prescription map.





When Leaving Treatment Zone

--Follow treatment zone: the target rate remains the same as it leaves the treatment zone

--Default rate: the target rate switches to the default rate when it leaves the treatment zone

--Stop operation: sections will be all off (operation is stopped) when it leaves the treatment zone

You may see the legend above the navigation map that indicates the relationship between the rate and the rendering color.

5.5 TC object pool updated

The implement ECU might update its TC object pool when the implement geometry is edited in VT. The task will be paused until the new TC object pool finishes the transition.





6. ISOBUS Module ISOBUS模块

MENU>>APPLICATIONS>>ISOBUS

ISOBUS Module provides the buttons to activate and enable ISOBUS functions.

Basic information of the implement ECU and the operating parameters is displayed at the



Raul.Li 817







top right.

Raul.Li 8171

The main interface of the ISOBUS module also provides three other entrances, which are described in details below.

6.1 Implement Info 机具信息

MENU>>APPLICATIONS>>ISOBUS>>Info

Video: 🖹 Implement configuration.mp4

The Info sector is split into two parts.

The left column contains VT information, such as the loading progress, object pool file and supported language of each VT.

The right column shows the implement bound with implement TC and the material used for the channel. The arrow on the right is provided to quickly jump to the material library to switch to other materials.

6.2 Statistics 数据

MENU>>APPLICATIONS>>ISOBUS>>Statistics

Statistics of the current task such as operation time and operation area can be checked in the Statistics sector.

You may check the statistics of the current task here. If the implement doesn't report task totals, the relative data will go blank.

6.3 Settings 设置

MENU>>APPLICATIONS>>ISOBUS>>Settings

Video: 📄 Diagnosis.mp4







ISOBUS related settings are displayed in the Settings sector. There is also a fast entrance to these settings in the VT window, below all the VT tabs.

Description

Communication Module

Reporting of version information is supported by new DTUs with firmware version 2.2.0.0 and above.

Object pool management

Please be careful when deleting the VT object pool that is currently in use. Once deleting it, you need to wait for the VT object to be loaded next time you turn on the system.

Manufacturer Code

1390 is the manufacturer code of FJDynamics. Please do not change it unless instructed by the dealers or service people.

Connection Timeout

If the heartbeat signal of the implement is not detected for a while, it is seen as disconnected. Please do not change it unless instructed by the dealers or service people.

CTS

Retransfer will be attempted when VT object pool transfer is interrupted by CTS mechanism.

Language

All language options provided by VT are presented in the pull-down list. Select the intended language and it will take effect on all connected VTs.

Speed source

Refer to the chapter "Speed source setup".

Alarm Notification

Once enabled, the terminal will produce an alarm sound when there is an alarm mask in VT.

VT Number

VT number is recommended to be set to 1. Please do not change it unless instructed by the dealers or service people.

