# Pedal debugging tutorial

## Steps:

### The first step is to read the debugged data

*		轴设置	-								
Disconnected	Not_Used	HILLY	B12	304			GND	GND		Current Config	
Read the debugged data	Not_Used	~	B12 B13			00	GND	GND		Axis sources:	0
ricad ine debugged data	Not_Used	¥	B14		ontin -	10		3.3V		Buttons from axes:	0
	Not_Used	~	B15		-		RST	RESET		Single buttons:	0
Read Config from Device	Not_Used	v	A8				B11 B10 B1	Not_Used	~	Rows of buttons:	0
Read Coning norm Device	Not_Used	¥	A9		112		B10	Not_Used	~	Columns of buttons:	0
Write Config to Device	Not_Used	v	A10 A11		1		B1	Not_Used	~	Total buttons:	0
white coning to Device	USBD-		A11		SEN TOT	08		Not_Used	<i></i>	Total LEDs:	
	USBD+		A12 A15 B3		1 16/			Not_Used	~		
ave the debugging data	Not_Used	~	A15		·	03	A6	Not_Used	~		
Set Default Config	Not_Used	v	B3		il.	03		Not_Used	~		
Set Default Config	Not_Used	~	B4			OR		Not_Used	~		
Load Config from File	Not_Used	Ŷ	B5	30	See In	02	A3	Not_Used	~		
Load Config from File	Not_Used	~	B6			OR	A2	Not_Used	~		
Save Config to File	Not_Used	~				02		Not_Used	~		
Save Config to File	Not_Used	~	B8		States.	03	AO	Not_Used	~		
	Not_Used	~					C15	Not_Used	~		
	5V			y 🔘 📇			C14	Not_Used	~		
Reset All Pins	GND		GND			05	C13	Not_Used	~		
Reset All Pins	3.3V		3.3V	-	FFE		VB	VBUS			
tem Log					Butt	ons Log					
:25:10: Program started											

#### In the second step, select "Axis Setting" and confirm that Rx, Ry and Rz are enabled

•	Rx					Deco A De la	
	✓ Output		0			Resolution	16 🖨 bits Filte
Disconnected	Inverted		0			Offset	0 🔷 °
						Dynami	
	I2C address	Axis source 1	Functi		Axis source 2	Deadband	0 🇢
	ADS1115_00 ~	None ~	None	e Y	X v		libration
INCO TRACTOR DATA		Button 1 0 🗢	Button 2 0	Button 3 0 🗢	Step div 255 🖨	Minimum	-32767 🗢
ad Config from Device	Channel/Encoder	Laura Internet				Center	0 🔤
	0 🗢	Down Y	Reset ~	Up ×	Prescaler % 100 🗢	Maximum	32767 🗢 Of
rite Config to Device	Ry						
	Output		0			Resolution	16 🖨 bits Filte
	Inverted		0			Offset	0 🔷 •
	Inverted					Dynami	c deadband
Set Default Config	I2C address	Axis source 1	Functi	on	Axis source 2	Deadband	0 🌩
Set Delaute Coning	ADS1115_00 ~	None 👻	None	e v	X v	Start cal	libration
1		-	-			Minimum	-32767 🗘
oad Config from File	Channel/Encoder	Button 1 0 🌨	Button 2 0 🚔	Button 3 0 🗢	Step div 255 😴	Center	0 💠
	0 🗢	Down Y	Reset v	Up Y	Prescaler % 100 🗢	Maximum	32767 🗢 Of
Save Config to File	Rz						
			0			Resolution	16 🖨 bits Filte
	✓ Output		0			Offset	0 🔷 •
	Inverted		•			Dynami	c deadband
Reset All Pins	I2C address	Axis source 1	Functi	on.	Axis source 2	Deadband	0
	ADS1115 00	None *	Non		X		libration
Log			D				
			Butto	ns Log			
0: Program started							

#### Step 3: Confirm that the Axes soure is A0, A1 and A2 respectively

~	n Config Button Config Axes Co						
Disconnected	Not_Used	~	B12	GND GND	GND	Current Config	
Disconnected	Not_Used	*	B13	GND GND	GND	Axis sources:	3
	Not_Used	~	B14 0	3.3V	3.3V	Buttons from axes:	C
	Not_Used	~	B15 😇 🔘		RESET	Single buttons:	0
Read Config from Device	Not_Used	~	A8 🗧 🔍	B11	Not_Used	Rows of buttons:	0
Read Coning nonin Device	Not_Used	¥	A9 2 0 1	B10	Not_Used	Columns of buttons:	0
Write Config to Device	Not_Used	~	A10	1 E B1	Not_Used	* Total buttons:	0
write coming to bevice	USBD-		A11 2 0 135	BO 🐨 📑 💽 🔁 BO	Not_Used	v Total LEDs:	0
	USB <u>D</u> +				Not_Used	~	
	Not_Used	~	A15 2 🔍 💞	👘 🔘 💦 A6	Not_Used	~	
Set Default Config	Not_Used	~	вз 🚼 🔘 🏑	🔊 🔘 强 🗚	Not_Used	¥	
occ bendar coming	Not_Used	~	B4 🏆 🔘 🏸	0 3 44	Not_Used	~	
Load Config from File	Not_Used	~	B5 🖁 🔘	🖉 🖉 🖉 🖓 🗛	Not_Used	~	
Loud comy nomine	Not_Used	~	B6 👷 🔘	0 R A2	Axis_Analog	~	
Save Config to File	Not_Used	~	B7 😌 🔘		Axis_Analog	×	
oure comig to the	Not_Used	~	BB 🚟 🔍 👌		Axis Analog	<u> </u>	
	Not_Used	~	B9 况 🔍 🐱 🖢	<b>C15</b>	Not_Used	~	
	5V		<u>५</u> ४ व्र <b>ि</b>		Not_Used	~	
Reset All Pins	GND		GND 🖸 🔘	2 2 2 0 0 <u>c</u> 13	Not_Used	~	
Reset All Pills	3.3V		3.3V 😚 🔘		VBUS		
stem Log				Buttons Log			
6:25:10: Program started							
SESTO Program started							

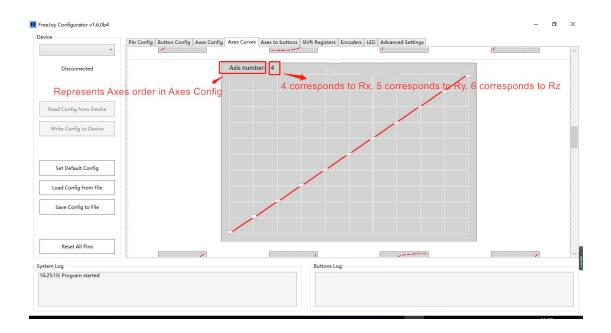
	✓ Output						
	V Output			0		Resolution Offset	16 whits Filter
Disconnected	Inverted			0		Dynamic de	
	I2C address	Axis source		Function	Axis source 2	Deadband	0
	ADS1115_00 ~	A0 ×		None *	X v	Start calibra	
		Button 1 0	Button 2 0	Button 3 0 🔿	Step div 255 🖨	Minimum -3	2767 🛟
ead Config from Device	Channel/Encoder				Lotan -	Center	0 🔶
	0 🍣	Down Y	Reset	Y Up Y	Prescaler % 100 🗢	Maximum 3	2767 🗢 Off
Write Config to Device	Ry						
	✓ Output			0		Resolution	16 🗣 bits Filter
	☐ Inverted			0		Offset	0 🗢 °
						Dynamic de	adband
Set Default Config	12C address	Axis source 1		Function	Axis source 2	Deadband	0 🗢
	ADS1115_00 ~	A1 ~		None Y	X v	Start calibra	ation
Load Config from File		Button 1 0	Button 2 0	Button 3 0	Step div 255	Minimum -3	2767 🗢
Load Conlig Irom File	Channel/Encoder	Button I	Button 2	Button 5 0		Center	0 🌩
	0 🗢	Down Y	Reset	۲ Up ۲	Prescaler % 100 🗢	Maximum 3	2767 🗘 Off
Save Config to File	Rz						
	✓ Output			0		Resolution	16 🗣 bits Filter
	Inverted			0		Offset	0 🗢 °
						Dynamic de	
Reset All Pins	I2C address	Axis source 1		Function	Axis source 2	Deadband	0 🌩
	ADS1115 00 V	A2 🗸		None v	X v	Start calibra	ation
Log				Buttons Log			

The fourth step, enter the debugging

, ,	Pin Config Button Con	fig Axes Config Axes Curve	Axes to buttons Shift	Registers Encoders LED Ad	dvanced Settings	
*	v Output			0		Resolution 16 bits Filter Offset 0 0
Disconnected	Inverted			0		Dynamic deadband
	I2C address ADS1115_00	Axis source 1 A0 ~		unction None	Axis source 2 × X ×	Deadband 0 💭 Start calibration
ead Config from Device	Channel/Encoder	Button 1 0 🗢	Button 2 0 💭	Button 3 0 🚔	Step div 255 🚖	Minimum -32767 ☐ Center 0
	0 🍣	Down Y	Reset	* Up	✓ Prescaler % 100	Maximum 32767 🗢 Off
Write Config to Device	Ry Output			0	esents the actual	game itinerary Resolution 16 bits Filter al value of the sensor
	Inverted			Greenie	presents the actu	Dynamic deadband
Set Default Config	I2C address ADS1115_00 ~	Axis source 1 A1 ~		unction None	Axis source 2 × X ×	Deadband 0 💭 Start calibration
Load Config from File	Channel/Encoder	Button 1 0 🥏	Button 2 0	Button 3 0 🍮	Step div 255 😿	Minimum -32767 <b>♦</b> Center 0  ♦
Save Config to File	0 🗢	Down Y	Reset	Y Up	✓ Prescaler % 100	Maximum 32767 🗢 Off
	Rz V Output			0		Resolution 16 bits Filter
	Inverted			0		Dynamic deadband
Reset All Pins	I2C address ADS1115 00	Axis source 1 A2 ~		unction None	Axis source 2	Deadband 0 🜩
n Log				Buttons Log		
:10: Program started						

\_ ٥ × 🗾 FreeJoy Configurator v1.6.0b4 Device Pin Config | Button Config | Axes Config | Axes Curves | Axes to buttons | Shift Registers | Encoders | LED | Advanced Settings | Rx Resolution 16 bits Filter ✓ Output and when the pedal is not allowed to moveride de Disconnected dband 0 I2C address ADS1115\_00 ~ Deadband Axis source 1 Function Axis source 2 FMI in the green bar value when the pedat is fully stepped Start calibration Minimum Center -32767 🛟 Button 2 0 🜻 Button 1 0 🔶 Button 3 0 🐡 Step div 255 🔿 Read Config from Device Channel/Encoder 0 🗢 Down Y Reset Y Up × Prescaler % 100 🜩 Maximum 32767 🗢 Off Write Config to Device Ry Resolution 16 🜩 bits Filter ✓ Output Offset Dynar deadband I2C address ADS1115\_00 ~ Axis source 1 A1 Axis source 2 X Deadband Set Default Config None Start calibration
Minimum
-32767 \* Button 1 0 🗢 Button 2 0 🍣 Button 3 0 🚔 Step div 255 🖨 Load Config from File Channel/Encoder Center Maximum 0 🗢 Down Y Reset \* Up Prescaler % 100 🖨 32767 🗢 Off Save Config to File Rz Resolution 16 🗣 bits Filter Output Offset Inverted Dynamic de dha 0 Reset All Pins Deadband I2C address Axis source 1 A2 Function None Axis source 2 X ¥ Start calib ADS1115 00 -System Log Buttons Log 16:25:10: Program started

The fifth step, axis curve setting, adjustable or not, according to personal needs, generally only set the curve of clutch shaft



Note:

1. Remember to save after changing the Settings at each step of the operation;

2. In some cases, reading or saving may fail. It is recommended to insert and remove the usb cable of the pedal and then read or save it again.