Pairing Two MECHAs for Dual Axis Application

- 1. Power up horizontal MECHA and press [1] when LEDs shows = = = =
- Connect to horizontal MECHA with MECHA SSID and password. Refer to this guide if needed. SSID and password are printed on the supplied QR code label. Record them if the label is not available.
- 3. Open 192.168.8.1/config User: admin Password: Mecha
- 4. Select Default Mode: [AP+STA]
- 5. Select [Apply]
- 6. Power up vertical MECHA and press [1] when LEDs shows = = = =
- 7. Connect to vertical MECHA with MECHA SSID and password.
- 8. Open 192.168.8.1/config User: admin Password: Mecha
- 9. Select Default Mode: [STA]
- 10. Select [Apply]
- 11. Select [Connect to Wi-Fi], enter SSID and password for horizontal MECHA.
- 12. Connect to horizontal MECHA again using MECHA SSID.
- 13. Access 192.168.8.1/row

If pairing is successful, UI will show [H] at the upper left corner and [Team .x] near the bottom of page, where x is the last part of the IP in 192.168.8.x. The vertical MECHA can be accessed by selecting the [H] icon or by typing 192.168.8.x at browser address. Vertical MECHA UI will show [V] at the upper left corner and [Team] near the bottom of page. Select [V] to go back to horizontal MECHA. Use 2 Tabs with MECHA IPs in browser to access both MECHAs quickly.

- 14. To get presets from server, select [Connect to Wi-Fi] and enter SSID and password for the Wi-Fi network with internet access.
- 15. Select [Presets], load [More from Server] to get some presets to test. You can ask for presets for your specific setup at *forum.nodalninja.com*.
- 16. Save the desired presets to Buttons [1], [2] and [3] respectively using [Save 1], [Save 2] and [Save 3], so that the presets can be executed without using the interface. E.g., press [1] [<] or [1] [>] to execute the Button 1 preset in the desired direction.
- 17. Note that MECHA (accessed by 192.168.8.1) is in AP mode. If you use the Hotspot/ Wi-Fi Tethering function on the same device to provide the internet access, MECHA cannot connect to the Internet and [More from Server] is not available. You can use MECHA's STA_IP to access it. For example, on Android, STA_IP is 192.168.43.x, where x can be 2-254; on iPhone / iPad, STA_IP is 172.20.10.x, where x can be 2-14. Refer to this guide on STA mode for details.

info A3 Row H					93%	
MECHA-313D41 @ 0.5s E1 0° 1		Noda	OTEC al Ninja CHA		12: Wedne	17:57 esday 0° 1 S
180 135	90	45 ³⁰ 15	8 ¹⁵ ³⁰ 45	90	135 18	0
LEFT	e	Shots			RIGHT	
NPP S	hots			Live N	IPP	
1 IMG AF 0.1 sec	W:0 sec	B:0 sec	M:1	E:0 sec	A:0 sec	
60 ° x 1 Rev	vind No	Repeat	192.168.	8.2 9 RPN	/ 16 uStep	
Medium Load						
1 x LEFT		SH	ЮОТ		1 x RIGHT	
Cancel		PA	USE		STOP	
Presets						
Load Save Rename	Delete	Import Exp	ort Empty			
Load 0	Lo	oad 1	Load 2	2	Load 3	
Save 0	Sa	ave 1	Save	2	Save 3	

info A3 Row V					43% 🕈
MECHA-310C87 @ 0.5s E1 0° 1	TEC Vinja		We	12:18:06 ednesday 0° 0s	
180 135 90	45 ³⁰ ¹⁵	^{15 30} 45	90	135	180
LEFT	6 Shots			RIGHT	
NPP Shots	Live NPP				
1 IMG AF 0.1 sec W:0 s	ec B:0 sec	M:1	E:0 sec	A:0 sec	
60 ° x 1 Rewind N	o Repeat	Single 9	RPM	16 uStep	

Pairing with Buttons only - zero Learning MECHA Mode (For Firmware C1E_02011 or Newer)

- 1. Power up horizontal MECHA and press [1] when LEDs shows = = = =.
- Press buttons [0][1][2][3][1][2][3][1][>] to enter 8-digit code 01231231>, where [0] is the power button. MECHA will gives 5 beeps if not muted in settings.
- 3. Power up vertical MECHA and press [1] when LEDs shows = = = =.
- 4. Press same button sequence as in step 2. MECHA will gives 2 beeps if not muted in settings.
- 5. MECHAs will pair up. And from now on, every time MECHAs are powered up, they will pair up together. As indication of successful pairing, horizontal MECHA will show 1 LED -, vertical MECHA will show 2 LEDS =.
- MECHA will use a new SSID, *MECHA-H123*, instead of the usual one. Password will be 01231231. Note: You can change the code to something like 03213213> in which case

SSID will be MECHA-H321 and password will be 03213213.

The rules for the code are:

- i. It must start with *0* and have 8 digits.
- ii. No identical digits next to each other.
- iii. It must end with >.
- iv. 3 digits after 0 will be used as part of the SSID.
- 7. Connect with Phone or PC to MECHA-H123.

- 8. Access the interface of horizontal MECHA with 192.168.8.1/row
- 9. To get presets from server, select [Connect to Wi-Fi] and enter SSID and password for the Wi-Fi network with internet access.
- 10. Select [Presets], load [More from Server] to get some presets to test. You can ask for presets for your specific setup at *forum.nodalninja.com*.
- 11. Save the desired presets to Buttons [1], [2] and [3] respectively using [Save 1], [Save 2] and [Save 3], so that the presets can be executed without using the interface. E.g., press [1] [<] or [1] [>] to execute the Button 1 preset in the desired direction.
- 12. Note that MECHA (accessed by 192.168.8.1) is in AP mode. If you use the Hotspot/Wi-Fi Tethering function on the same device to provide the internet access, MECHA cannot connect to the Internet and [More from Server] is not available. You can use MECHA's STA_IP to access it. For example, on Android, STA_IP is 192.168.43.x, where x can be 2-254; on iPhone / iPad, STA_IP is 172.20.10.x, where x can be 2-14. Refer to this guide on STA mode for details.

info A3 Row H					76% 🚰		
MECHA-H123 @ 0.5s E1 0° 1	22:43:54 2020.02.16 0° 1s						
180 135 90	45 30 16	15 30 4 5	90	135	180		
LEFT	14 Shots			RIGHT			
NPP Shots			Live NPP				
1 IMG MF W:0 s	B:0 sec	M:1	E:0.25 sec A:0 sec				
25.71 ° x 1 Wait Repeat 8*1 sec							
P10:-12,8:-45,6:-60,10:12,8:45,6:60,2^90:90,2^90:-90,0 ° 13.5 RPM = 16+128 uStep							
Heavy Load							
1 x LEFT	SHC	1 x RIGHT					
Cancel	PAU	PAUSE			STOP		
DAC 14-10-8-6 Shots 7 Rows 2N 2Z							
Load Save Rename Delete Import Export Empty							
Load 0	Load 1 Load 2		Load 3		ad 3		
Save 0	Save 1	Save 2	Save 3				