FANOTEC Nodal Ninja *MECHA*

Package Content Body Features Basic Operation More Info and Links

E1 Rotator + Single Axis Controller C1

QUICK REFERENCE GUIDE

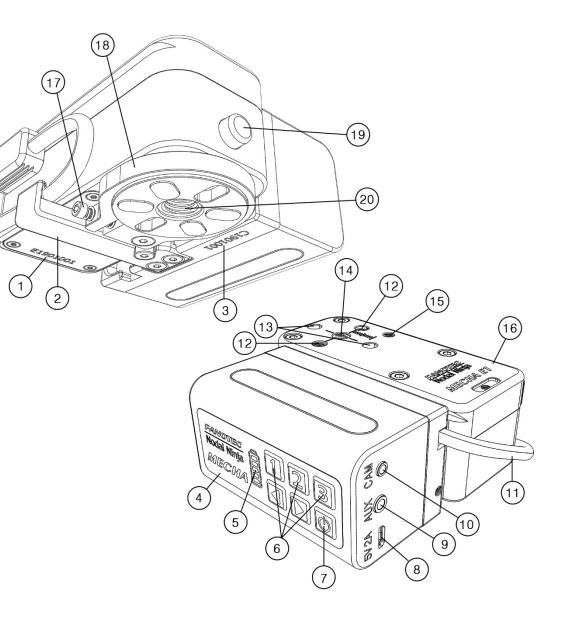
Version 0.2

MECHA EL CL VU.2

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- 1. Rotator Serial Number
- 2. C1-E1 Support Arm
- 3. Controller Serial Number
- 4. Single Axis Controller C1 (F9910)
- 5. Power / Status LED Indicator
- 6. Programmable Buttons
- 7. Power Button
- 8. Micro B USB Charging Port
- 9. Multi-Function AUX Port
- 10. Camera Trigger Port
- 11. Controller to Rotator Cable
- 12. M5 Sockets
- 13. Anti-Twist Sockets
- 14. 1/4"-20Socket
- 15. M4 Socket
- 16. Mecha E1 Rotator Module (F9900)
- 17. Friction Ring Tension Screw
- 18. Lower Rotator Friction Ring
- 19. Anti-Rotation Lock Button
- 20. 3/8"-16 Socket



FEATURES

Mecha = Precision built with the highest quality components.

Use for consistent single row 360's (dual axis controllers coming soon).

Other uses include turntable, HDR bracketing, time-lapse video and later use with Fanotec Carbon Fiber Slide Rails and cables.

The rotators are modular and can be used with different controllers supporting 1 to 4 axis.

Mecha's features justify doing price comparisons against higher end units costing thousands of dollars.

Out the box Mecha is pre configured with 3 presets and ready to shoot. Load 1 = executes 4 shots around. Load 2 = executes 6 shots around. Load 3 = executes 8 shots around.

The unit is able to operate with or without web browser controller.

Attach camera to Mecha by use of the sync cable.

Turn on, press #1 > (right arrow), shooting sequence begins to the right begins with 4 shots around.

Turn on, press #2 < (left arrow) shooting sequence begins to the left begins with 6 shots around, etc.

Using the controller with Wi-Fi interface to a mobile/PC device browser offers access to over 50 tools for status displays, customizing shoots, and setting up presets as needed.

Some features include:

Assign a total number of shots around 2-360. Rotate left or right. Tool for testing No Parallax Point (NPP) in live view. HDR bracketing of shots in a set (1-7, + custom) Control Auto Focus time in milliseconds. Set a delay for Wake up Set a delay for Before exposure Set a delay for Exposure Set a delay for After exposure

Rewind to initial position (useful to avoid cable wrap with some configurations)

On/off repeat number of sequences + length of delay between sequences.

Create up to 3 custom profiles which can be assigned to the 3 physical Buttons on controller, no need for an interface to use them.

Cancel operation smoothly.

Emergency stop.

Ability to take extra shots step by step for patching in a panorama.

Support for partial panoramas and repeated as desired.

Can operate both in AP or STA mode, allows the use in the studio or in the field as multiple stations some of which can be dedicated for use as a turntable, others for panoramas, and others for rail and video with upcoming accessories.

Turntable set with the desired speed (RPM) and smooth acceleration.

Visual feedback of the current shoot/position in set with time estimation until completion.

Firmware update is via WiFi through the Internet.

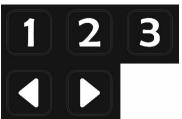
May be used with a power bank for extended use.

Gesture support for fine-tuning of the initial position or for extra shots.

BASIC OPERATION



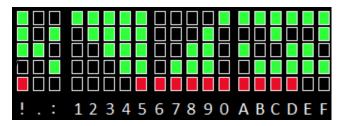
Power Button: Hold down for approximately 5 seconds to turn on/off. While turned on press briefly for battery status.



Presets buttons. Comes preprogrammed with: #1=4 stops, #2=6 stops, #3=8 stops. Arrows designate direction of rotation. symbol ">" = right arrow, symbol "<" = left arrow To execute a preset push buttons: 1 < or 1> left or right. 2< or 2> left or right. 3< or 3> left or right.

D	

Power / Status LED Indicator The combinations of buttons will show the following: 121< Show Mecha ID. 123< Show MAC address. 323< Show Full IP address. 321< Show Last part of the IP address.



23< Disable/Enable motor. When the motor is disabled, the power LED will blink rarely, it blinks also in U.I.

32123< Update the firmware, if possible. Mecha needs to be connected to a WiFi with internet access before entering the code. It will show "..." if it cannot find any update, or "!!!" if Internet is not available for Mecha.



5V 2A = Micro B USB Charging Port. Plug in Micro B USB cable to charge the Mecha. Use an appropriate power source. 5 Volts 2 Amp input.

AUX = Multi-function Auxiliary Port. Currently available function is shutter release confirmation by using signal from camera hot-shoe. Other functions will be available in the future.

CAM = Camera Port. Plug in a specific shutter cable for the camera in use. This allows for triggering the shutter automatically.



Make sure power is turned off before mounting on a tripod.

Anti-Rotation Lock Button. When mounting to a tripod depress the button allowing to tighten the Mecha. Once tightened make sure the button is not depressed.

BASIC OPERATION- continued pg 2

Web APP connection via WiFi: To connect to the web app: Make sure the unit is turned on. On a mobile device/PC select MECHA-XXXXXX in the WiFi network list. Enter the password 12345678. On the browser URL enter 192.168.8.1



Ring, Row and Turn buttons are the options for the type of images required. Test and Config buttons requires admin credentials.

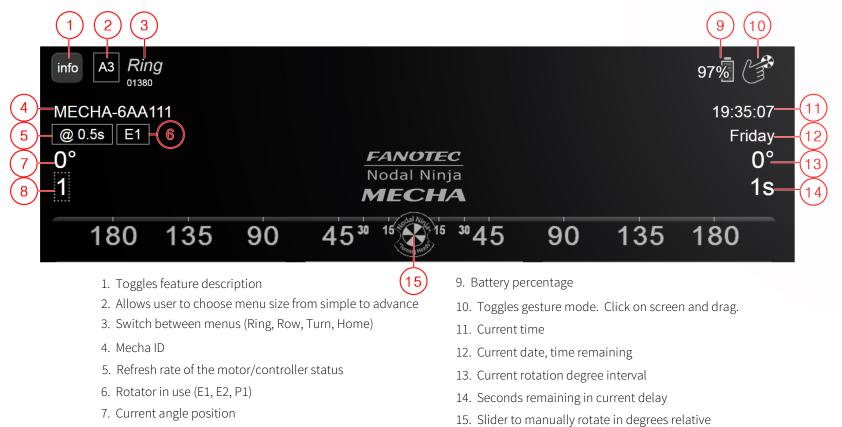
Update button is for firmware update. Follow the prompts to connect to a WiFi connection. When completed reboot the unit.



Sample page. (Ring page)

info A3 Ring						38%	
MECHA-6AA111 @ 0.5s E1 0° 1	FANO Nodal MEC					00:17:24 2019.06.21 0° Os	
180 135	90 45	30 15	^{15 30} 45	90	135	180	
LEFT	8 Shots			RIGHT			
NPP Shots			Live NPP				
1 AF 100 ms W:0 se	ec. B:0 sec.	E:0 sec.	A:0 sec.	45 deg. ×	1 rewi	nd	
no repeat							
1 x LEFT	SHOOT	T		1 x RIGHT	ī		
Cancel			STOP				
Load	ad Load 1				Load 3		
Save	Save 1			Save 2 Save 3			
Start as Ring			Reboot				
BEEP 5			Always ON				
Go To Row			Shut down				
Connect to Wi-Fi			Wi-Fi OFF				
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Page Navigation

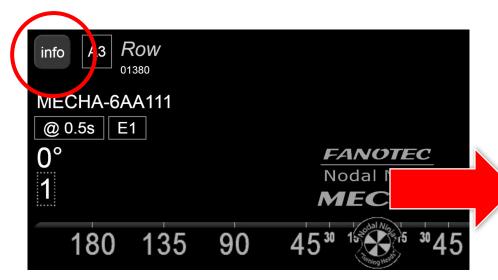


to its current position

8. Current status (shots remaining, position, repeat set)

MECHA E1 C1 v0.2 © Nodal Ninja All rights reserved

BASIC OPERATION- continued pg 4



Clicking on the INFO button will toggle description for all the controls.

info A3 Ring							39% 🦪
MECHA-6AA111							00:08:33
@ 0.5s E1							2019.06.21
0°			ANOTEO				0°
1			lodal Ninja 1ECH/				0s
180 135	90	45 ³⁰	15	³⁰ 45	90	135	180
LEFT		6 Shots	Thing He		RIGHT		
Shoot a 360° panorama to left			for a full 360° p	anorama.	figurana.	° panorama to	right
NPP Shots			Live	NPP			
Take two shots for NPP check.					check using liv	e view.	
1	AF 100 ms		W:0 sec.				
Number of shoots in a set,	AF signal time	in ms, e.g. 100.	Wake : Pause	for wake-up 1	he camera.	· · · ·	
e.g. 3 for a bracket of 3, or 0 if there is no need to shoot.	If the value is n the AF signal w		If is negative the nause will		en if the camera	a is ON	
	during the entir		before each p useful to hide	ano starts			
Di0 and				get out from 0	amera s viêw		
B:0 sec.	koting come	o or oot of oh	E:0 sec.	Duratica of the	o alogod sur	ure trigger e.g.	2
Before : Pause before each brach If is a negative value, up to 2 seconds from it will be u		e or set of phot	or 0.5*3 for or 2*3 for p	progressive h rogresive dou	alf Exposure, ble Exposure in	n set.	3
A:0 sec.		60 deg.	These can	x 1	custom values		
After : The delay after each brac	keting sequence		in ° (degrees)	The number			
If is a negative value, the delay will be after each shut	ter trigger.	tor [x LEF I] e.g. 45 or 60	and [x RIGHT],	for [x LEF I] ; e.g. 1 or 6.	and [x RIGHT],		
rewind	no re	peat					
Rewind to initial position.			until the shootin				
Useful if there are cables attach or for partial panorama, and time		nce will be repe 10 for 5 minutes	ated automatic	ally,			
or wait after last shoot.		00 to repeat 4 ti r [no repeat], fo	mes 5 minutes	apart,			
1 x LEFT	010,0	SHOOT			1 x RIGHT	г	
Shoot & move to left deg. interve positions.	al for X	Trigger the nu single position			Shoot & mo positions.	ve to right deg.	interval for X
Cancel			STO				
Stop smoothly.				gency stop.		<u></u>	
Load	Load 1		Load			Load 3	
Load default presets.		Load button 1 presets.		Load button 2 presets.		Load button 3 presets.	
Save	Save 1			Save 2		Save 3	
Save default presets.	Save button	1 presets.	Constant of the second	Save button 2 presets.		Save button 3 presets.	
Start as Ring			Rebo	N 87			
Set the default page at start.				ot Mecha.			
Loud Beeps				ys ON			
The loudness of beeps, a value	from 0 to 250, e	.g. 200.		saving mode			
Go To Row			and the second sec	down			
Open another UI page.			Shuts	down Mecha	with 20 s time 1	to cancel.	
Connect to Wi-Fi			(100 B	i OFF			
Connect to a Wi-Fi network for u	use in station mo	de or FW upda	te. Turns	Wi-Fi OFF, it I	needs power cy	cling to have it	ON again.
			I - Fanotec - Noda All rights reserved				

More Info and Links

Mecha support safe links:

- Accessing the Web Control Interface of Mecha http://bit.ly/mecha-access
- How to update Mecha Controller firmware http://bit.ly/mecha-firmware
- Support Questions and assistance http://bit.ly/mecha-forum

How we will assign versions for the Mecha E1 Rotator with Controller C1 QRG.

- v0.1 First draft released to get the user up and running with basic functionality.
- v0.1.1 / v0.1.2 / v0.1.3 etc. Minor tweaks to text and images may occur which do not affect performance.
- v0.2 / v0.3 / v0.4 etc. Changes or additional features added which may affect or enhance the actual operation. (important update)
- v1,0 The QRG has reached a level that we feel covers most of the basic functionality.
- v1.1.1 / v1.1.2 / v1.1.3 etc. Minor tweaks to text and images may occur which do not affect performance.
- v1.1 / v1.2 / v1.3 etc. Changes or additional features added which may affect or enhance the actual operation. (important update)
- v2 Major update (important)

To view the latest revision of this Quick Reference Guide scan the QR Code or visit: <u>https://www.nodalninja.com/Manuals/MECHA_E1_C1_QRG.pdf</u>

We will also be publishing "Feature Highlight" supplements. These supplements will provide detailed explanations of some of the features find on the Controller.

Feature Highlights:

Finding the No-Parallax Point Using Live NPP scan the QR Code or visit: http://www.nodalninja.com/Manuals/Finding-the-No-Parallax-Point-Using-Live-NPP.pdf





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