

Commands – published TO clock

Topic Root	Topic	Subtopic	Payload	Notes
cmdnd/matrix/	mode		n	Values: 0 (clock), 1 (countdown), 2 (scoreboard), 3 (text)
	brightness		nnn	Valid values: 0-255
	buzzer		nnnn	1-9999 (milliseconds to sound)
	font		n	0-2 (0 - Original 7-seg, 1 - Modern, 2=Hybrid)
	clock/	color	nnn,nnn,nnn	RGB: 0-255 range for each color
		display	nn	Valid values: 12, 24
		settime	mmm dd yyyy;hh:mm:ss	mmm = Jan, Feb, Mar, etc.
	countdown/	color	nnn,nnn,nnn	RGB: 0-255 range for each color
		colorfinalmin	nnn,nnn,nnn	RGB: 0-255 range for each color
		colorpaused	nnn,nnn,nnn	RGB: 0-255 range for each color
		starttime	hh:mm:ss	Max of 23:59:59 (split and convert to milliseconds)
		action	n	Values: 0 (Start), 1 (pause), 2 (reset), 3 (clear)
	temperature/	color	nnn,nnn,nnn	RGB: 0-255 range for each color
		symbol	nn	Valid values: 12 (Celsius), 13 (Fahrenheit)
		external	nn	Sets temperature value (from external source)
		correction	-n or +n	Correction value
		refresh	1	Called from clock to force refresh of MQTT temp
	scoreboard/	colorleft	nnn,nnn,nnn	RGB: 0-255 range for each color
		colorright	nnn,nnn,nnn	RGB: 0-255 range for each color
		teamleft	ccc	Three character team name for left (visitor) scoreboard
		teamright	ccc	Three character team name for right (home) scoreboard
		scoreleft	nn	Valid values: 0-99
		scoreright	nn	Valid values: 0-99
		scoreup	n	Increases by one. n=0 Left, n=1 Right, n=2 Both
		scoredown	n	Decreases by one. n=0 Left, n=1 Right, n=2 Both
		reset	n	n=0 reset left, n=1 reset right, n=2 reset both
	text/	message	stringTop SringBottom	Text to display - use & for leading spaces
		colortop	nnn,nnn,nnn	RGB: 0-255 range for each color
		colorbottom	nnn,nnn,nnn	RGB: 0-255 range for each color
		effect	nnn	Effect to apply. 0=none.
		speed	1-10	Speed of effect. 1=slow, 10=fast

States – published FROM clock

Topic Root	Topic	Subtopic	Payload	Notes
stat/matrix/	mode		mode text	Clock, Countdown, Scoreboard, Text
	brightness		0-255	
	font		0-2	
clock/	color/red		0-255	
	color/green		0-255	
	color/blue		0-255	
	display		12 or 24	
countdown/	color/red		0-255	
	color/green		0-255	
	color/blue		0-255	
	colorfinalmin/red		0-255	
	colorfinalmin/green		0-255	
	colorfinalmin/blue		0-255	
	colorpaused/red		0-255	
	colorpaused/green		0-255	
	colorpaused/blue		0-255	
	starttime		hh:mm:ss	
	status		Running/Stopped	
temperature/			nn.n	Updates every 3 min or as specified in options
	symbol		C or F	
	correction		+/- n.n	
	color/red		0-255	
	color/green		0-255	
	color/blue		0-255	
scoreboard/	colorleft/red		0-255	
	colorleft/green		0-255	
	colorleft/blue		0-255	
	colorright/red		0-255	
	colorright/green		0-255	
	colorright/blue		0-255	
	teamright		ccc	
	teamleft		ccc	
	scoreleft		nn	
	scoreright		nn	
text/	message		cccccc cccccc	Line 1 Line 2
	colortop/red		0-255	
	colortop/green		0-255	
	colortop/blue		0-255	
	colorbottom/red		0-255	
	colorbottom/green		0-255	
	colorbottom/blue		0-255	
	effect		0-99	
	speed		1-10	