VK4GHZ Nextion for K3NG Rotator Controller

Nextion EEPROM Table (some registers not used with all versions)

Nextion EEPROM Reg	Nextion EEPROM Reg Name	Nextion Object	Purpose	Values	Default	Comment
0	addDefPag	gGUI	Default page	0/1	0	0=Numerals, 1=Sml Gauges, 2=Big Gauges
4	addScrSav	nSS	Screen Saver	0-999	0	Screen Saver Timeout (mins)
8	addSDimTo	nDim	Screen Saver Dim To	0-50	5	Dim To this %
12	addKeepVa	gBSKeepValue	Keep Value on Keypad/Keyboard	0 / 1	0	0=Clears value 1=Keep value
16	addAAPwUp	gBSAAPU	Audible Alert on at Pwr Up	0 / 1	1	1=Forces AA on with each power up
20	addAAOffT	gBSAATR	Audible Alert OFF with Tracking	0 / 1	1	1=Turns AA off during tracking
24	addRevElG	rElGaugeRev	Reverse Elevation Gauge	0 / 1	0	0=Normal 1=Reverse
28	addUpdRat	nUpdateRate	Screen Update Rate for timers	1 - 15	5	x100 ie: 100 - 1500mS
32	addVirChk	x	EEPROM Virgin Check	x	50	Checks for this arbitrary value
36	addBigAzG		Std/Alternate Big Az Gauge flag	0 / 1	0	0=Standard Az Gauge 1=Custom Az Gauge
40	addShoRot	gBSRotCal	Show Rotor Cal page flag	0 / 1	1	0=Hide 1=Show
44	addShoTra	gBSTrackSet	Show Tracking Settings page flag	0 / 1	1	0=Hide 1=Show
48	addShoDia	gBSDiag	Show Diagnostics page flag	0 / 1	0	0=Hide 1=Show
52	addShoUDF	gBSUDF	Show UDF page flag	0 / 1	1	0=Hide 1=Show
56	addAltAzG	gBSAltAzGS	Alternate Big Az Gauge Select	0 / 1	0	0=Alt Image 1 1=Alt Image 2
60	Spare					
64	Spare					
68	Spare					
72	Spare					
76	Spare					
80	addPre1Az	p?Az	Preset 1 Azimuth value	0 - 360	0	12 bytes required
84						
88						

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Nextion EEPROM Table (some registers not used with all versions)

92	addPre2Az	p?Az	Preset 2 Azimuth value	0 - 360	0	12 bytes required
96						
100						
104	addPre3Az	p?Az	Preset 3 Azimuth value	0 - 360	0	12 bytes required
108						
112						
116	addPre4Az	p?Az	Preset 4 Azimuth value	0 - 360	0	12 bytes required
120						
124						
128	addPre5Az	p?Az	Preset 5 Azimuth value	0 - 360	0	12 bytes required
132						
136						
140	addPre6Az	p?Az	Preset 6 Azimuth value	0 - 360	0	12 bytes required
144						
148						
152	addPre7Az	p?Az	Preset 7 Azimuth value	0 - 360	0	12 bytes required
156						
160						
164	addPre8Az	p?Az	Preset 8 Azimuth value	0 - 360	0	12 bytes required
168						
172						
176	addPre1El		Preset 1 Elevation value	0 - 180	0	12 bytes required
180						
184						
188						

Nextion EEPROM Table (some registers not used with all versions)

192	addPre2El		Preset 2 Elevation value	0 - 180	0	12 bytes required
196						
200	addPre3El		Preset 3 Elevation value	0 - 180	0	12 bytes required
204						
208						
212	addPre4El		Preset 4 Elevation value	0 - 180	0	12 bytes required
216						
220						
224	addPre5El		Preset 5 Elevation value	0 - 180	0	12 bytes required
228						
232						
236	addPre6El		Preset 6 Elevation value	0 - 180	0	12 bytes required
240						
244						
248	addPre7El		Preset 7 Elevation value	0 - 180	0	12 bytes required
252						
256						
260	addPre8El		Preset 8 Elevation value	0 - 180	0	12 bytes required
264						
268						
272	addPre1Ta	p?Tag	Preset 1 Name Tag	A-Z,0-9,-	-	12 bytes required
276						
280						
284	addPre2Ta	p?Tag	Preset 2 Name Tag	A-Z,0-9,-	-	12 bytes required
288						

Nextion EEPROM Table (some registers not used with all versions)

292						
296	addPre3Ta	p?Tag	Preset 3 Name Tag	A-Z,0-9,-	-	12 bytes required
300						
304						
308	addPre4Ta	p?Tag	Preset 4 Name Tag	A-Z,0-9,-	-	12 bytes required
312						
316						
320	addPre5Ta	p?Tag	Preset 5 Name Tag	A-Z,0-9,-	-	12 bytes required
324						
328						
332	addPre6Ta	p?Tag	Preset 6 Name Tag	A-Z,0-9,-	-	12 bytes required
336						
340						
344	addPre7Ta	p?Tag	Preset 7 Name Tag	A-Z,0-9,-	-	12 bytes required
348						
352						
356	addPre8Ta	p?Tag	Preset 8 Name Tag	A-Z,0-9,-	-	12 bytes required
360						
364						
368	addAzLPCO	various	Az Large PCO	0-65535	BLACK	565 Colour Format
372	addAzLBCO	various	Az Large BCO	0-65535	WHITE	565 Colour Format
376	addAzLFon		Az Large Font		9	
380	addAzSPCO	various	Az Small PCO	0-65535	BLACK	565 Colour Format
384	addAzSBCO	various	Az Small BCO	0-65535	WHITE	565 Colour Format
388	addAzSFon		Az Small Font	9 / 12	9	

Nextion EEPROM Table (some registers not used with all versions)

392	addElSPCO	various	Elevation Small PCO	0-65535	BLACK	565 Colour Format
396	addElSBCO	various	Elevation Small BCO	0-65535	WHITE	565 Colour Format
400	addElSFon		Elevation Small Font	9 / 12	9	
404	addNavPCO	various	Navigation PCO	0-65535	WHITE	565 Colour Format
408	addNavBCO	various	Navigation BCO	0-65535	12710	565 Colour Format
412	addNavFon		Navigation Font			3.5" 4 / 14 5.0" 5 / 15
416	addStaPCO	various	Status PCO	0-65535	WHITE	565 Colour Format
420	addStaBCO	various	Status BCO	0-65535	57571	565 Colour Format
424	addStaFon		Status Font	5	5	
428	addPrePCO	various	Preset Name Tag PCO	0-65535	BLACK	565 Colour Format
432	addPreBCO	various	Preset Name Tag BCO	0-65535	63390	565 Colour Format
436	addPreFon		Preset Name Tag Font	4 / 14	4	
440	addAzPPCO	GaugeAz.pco	Azimuth Pointer PCO	0-65535	BLACK	Azimuth Gauge Pointer Colour
444	addElPPCO	GaugeEl.pco	Elevation Pointer PCO	0-65535	BLACK	Elevation Gauge Pointer Colour
448	addAzWPCO	WFAz.pco0	Azimuth Waveform Plot PCO	0-65535	31	565 Colour Format
452	addAzWBCO	WFAz.bco	Azimuth Waveform Plot BCO	0-65535	WHITE	565 Colour Format
456	addElWPCO	WFEl.pco0	Elevation Waveform Plot PCO	0-65535	63488	565 Colour Format
460	addElWBCO	WFEl.bco	Elevation Waveform Plot BCO	0-65535	WHITE	565 Colour Format
464						
468	addUDF1Ta	u?Tag	UDF 1 Name Tag	A-Z,0-9,-	-	12 bytes required
472						
476						
480	addUDF2Ta	u?Tag	UDF 2 Name Tag	A-Z,0-9,-	-	12 bytes required
484						
488						

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Nextion EEPROM Table (some registers not used with all versions)

492	addUDF3Ta	u?Tag	UDF 3 Name Tag	A-Z,0-9,-	-	12 bytes required
496						
500	addUDF4Ta	u?Tag	UDF 4 Name Tag	A-Z,0-9,-	-	12 bytes required
504						
508						
512	addClkPCO					
516	addClkBCO					
520	addClkFon					
524	addGriPCO					
528	addGriBCO					
532	addGriFon					
536	addCAzPCO					
540	addCAzBCO					
544	addCElPCO					
548	addCElBCO					
552	next available					
556						
560						