1012 WSPR-TX Deskton Serial																			
1012 WSPR-TX Deskton Serial			1																
	API as us	ed from software revision 15 (1:15 for ATMega328 devices and 2:15 for ESP	18285 devices)																
																		oxdot	
PC User config Set or Get com		Type of data and number of bytes	4	User config is sent by the PC configuration software				_	_							-			
Description Cmd CurrentMode	Send	Set/Get/Data [8] S/G Text 1 S=Sig, W=WSPR, N=None (Idle)	Data	Comment							_					-	+		-
Cmd User Config Store in EEPROM	(CSF)	S/G Text 1 3=31g, w=w3FK, N=NOIRE (1018)	+-			_										-	+	-	
Opt TX Pause	[OTP]	S/G Text 5 0-99999 Minutes	_			_		_	_								+	-	
Opt StartMode	[0SM]	S/G Text 1 S=Sig, W=WSPR, N=None	1													$\overline{}$	1		
Opt Band TX Enable	[OBD]	S/G Text 2 Text 1 - Band number * , E/D E=Enable, D=Disable														=			
Opt Location	[OLC]	S/G Text 1. G=GPS calculated, M=Manual (DL4 or DL6 data)	-													\leftarrow			
	[OLP]	S/G Text 1. 4 or 6 = Number of character used in the Maidenhea	d report.			_										-		-	
Opt Power	[OPW]	S/G Text 1. N=Normal using the DPD Power Data. A=Altitude enco						_			_					-			
	1	Text 2 Time Slot Code 0 to 16. 0-4=10 min. schedule , 5- 14=20min schedule, 15=Band coordinated Schedule, 16=No	1		l	1										i .		1	
		schedule, 17-Tracker (only TX when on the move or at top				1										í		1 1	
Opt Time Slot	[OTS]															i .			
Opt PreFix/Suffix	[OPS]	S/G Test1 P=Use Prefix. S=Use Suffix N=None																	
Option set GPS Constellations	[OSC]	S/G Text1 G-GPS Only, B= BeiDou Only, A= GPS And BeiDou S/G Text 6 Callsign							_							-			
Dat CallSign				Call Sign suffix code. A / will be automatically appeaded after the Call Sign	_			_	_		_					-			
Dat Suffix	[DSF]	S/G Text 3 Suffix code 880-125. 888-889= 8 to 9. 818-835=A to	z	followed by the suffix	l	1										i .		1	
			2	Call Sign prefix chars. A / will be automatically added between the Prefix and															
Dat Prefix		S/G characters. A-Z and 0-9 allowed		the Call Sign															
Dat Locator 4	[DL4]	S/G Text 4 Maidenhead grid with four characters									_					-		-	
Dat Locator 6 Dat PowerData	[DL6]	S/G Text 6 Maidenhead grid with six characters S/G Text 2 Power in dBm. Padded with a leading zero to two cha	0 60	_		_	-		-		_					-	-		_
Dat Name	(DNM)	6/G Text 40						_								$\overline{}$	+-		\vdash
Dat Generator Frequency	[DGF]	5/6 Text 40 5/6 Text 12 Frequency in Centi Hertz. Padded with leading zer	os to 12 char	ecters												$\overline{}$	1		
				LP filters are automatically set by the WSPR Beacon and Signal Gen. routines															
Debug Set LP Filter	[CSL]	S Text 1. Text1=A,B,C or D for LP bank.	+	but can be temporarily overridden by this command for testing purposes	_	-	-				_						+	-	-
DC Conton confin Cot product	_	Type of data and number of bytes	_	Contain data is cont by the DC Forton configuration of		-	-		-	_	_	\vdash	\vdash		_	$\overline{}$	+	\vdash	_
PC Factory config Set or Get or Description		Type of data and number of bytes Set/Get Data [8]	Data	Factory data is sent by the PC Factory configuration software Comment		-	-				_						+		_
Factory Product model Number	(FPN)	G Text 5 0-65534	Data	1011=WSPR-TX LPI, 1012=WSPR Dusktop, 1017=WSPR Mini		-	_	_	-		_				_	$\overline{}$	+	\vdash	\vdash
Factory Hardware Version	(FHV)	S/G Text 3 8-255	+-			_			-		1					$\overline{}$	_		
Factory Hardware Revision	[FHR]	S/G Text 3 0-255	1													$\overline{}$	1		
Factory Software Version	[FSV]	G Text 3 0-255																	
Factory Software Revision	[FSR]	G Text 3 0-255							_							-			
Factory Reference Oscillator Frequenc	[FRF]	S/G Text 9 Frequency in Hertz. Padded with leading zeros to 9	tharacters	Normally 026000000 98-just a link between input and output - the firmware will use this if no				_	_		_					-			
	1	S/G Text 1 A,B,C or D for indicating or setting bank of low pa		other filter is a good match. 99=Nothing fitted (open circuit) the firmware		1										i .		1	
Factory Low Pass Filter installed	[FLP]	S/G Text 1 A,B,C or D for indicating or setting bank of low pa	s:Text 2 00 to 15	will never use this as a filter															
Cmd FactoryConfig Store in EEPROM	[FSE]	5						_	_							-			
Arduino replies for Get comma	-	Type of data and number of bytes		Replies from the device in respons to a Get query		_		_	-		_					-	-		_
Description	Deture	Type or data and number or bytes	Data	Replies from the device in respons to a Get query		_					_					-	+		_
Cmd CurrentMode	(CCM)	Text 1 S=Sig, W=WSPR, N=None	Data			_		_			_					$\overline{}$	-	\rightarrow	
Out TX Pause	(OTP)	Text 5 0-99999 Minutes	_																
Opt StartMode	(0SM)	Text 1 SeSig MeWSPR NeNone																	
Opt Band TX Enable	(OBD)	Text 2 Text 1. Band number *, E-Enable, D-Disable Text 1. G-GPS calculated, M-Manual (DL4 data)														-			
		Text 1. G=GPS calculated, M=Manual (DL4 data)																\perp	
Option set GPS Constellations Dat CallSign	(OSC) (DCS)	Text 1. G=GPS Only B=BeiDou Only, A= GPS And BeiDou Text 6				_		_	_	_	_					-			_
Dat Locator 4	(014)	Text 4	+								_					$\overline{}$	-	-	
Dat Locator 6	(DL6)	Text 6	-					_								$\overline{}$	+		
Dat PowerData	(DPD)	Text 2 (00 to 60) dBm																	
Dat Name	(DNM)	Text 48							_							-			
Dat Generator Freq	(DGF)	Text 12 Frequency in Centi Hertz. Padded with leading zer	os to 12 char	acters				_	_							-			
	-		+-			_		_	_	_	_					$\overline{}$	-	-	_
Arduino Status update messag	ine.	Type of data and number of bytes		These messages are sent whenever the device thinks it's appropriate															
Description	Return															_			
Current Mode		Data	Data	These messages are sent whenever the device thinks it's appropriate													+-		
	(CCM)	Text 1 S=Sig, W=WSPR, N=None	Data	These messages are sent whenever the device thinks it's appropriate															
GPS locator 4 char Maidenhead	(GL4)	Text 1 S-Sig, M-WSPR, N-None Text 4	Data	These messages are sent whenever the device thinks it's appropriate															
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead	(GL4) (GL6)	Text 1 S-Sig, M-WSPR, N-None Text 4 Text 6	Data	These messages are sem whenever the device times it is appropriate															
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time	(GL4) (GL6) (GTM)	Text 1 S-Sig, M-MSPR, N-None Text 4 Test 6 Text 8 HH:NM:SS Text 1 T-True F-False	Data	tiese illessaige sale sein vineilevel uie device uimssa is suppropriate															
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time GPS Lock GPS Satellite data	(GL4) (GL6) (GTM) (GLC)	Text 1 S-Sig, M-MSFR, N-Mone Text 4 Text 4 Text 6 Text 8 Text 18 Text 8 Text 8 Text 8 Text 8 Text 1 T-Frue F-False Text 1 T-Frue F-False Text 2 Text 3 Text 2 Text 2 - ID Az EL SNR	Data	These messages are sensitiveness the testical times as appropriate															
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time GPS Lock GPS Satellite data	(GL4) (GL6) (GTM) (GLC)	Text 1 S-Sig, M-MSFR, N-Mone Text 4 Text 4 Text 6 Text 8 Text 18 Text 8 Text 8 Text 8 Text 8 Text 1 T-Frue F-False Text 1 T-Frue F-False Text 2 Text 3 Text 2 Text 2 - ID Az EL SNR	Data	The state of the s															
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time GPS Lock GPS Satellite data Transmitter Frequency Transmitter On	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ)	Text 1 S-Sig, N-MSFR, N-Mione Text 4 Text 4 Text 6 Text 8 Text 8 Text 8 MH:MM:SS Text 1 T-True F-False Text 5:12 Frequency in centify, no leading zeros Text 1-True F-False Text 1-True F-False	Data																
IPS Locator 4 char Maidenhead IPS Locator 6 char Maidenhead IPS Time IPS Lock IPS Satellite data Transmitter Prequency Transmitter On Microcontroller Pains	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON)	Text 1 5-5ig, W-MSPR, N-Mone Text 4 Text 6 Text 8 MH:MP:55 Text 1 T-True F-F-Jise Text 7 Text 7 Text 7 Text 2 - 10 Az El SMR Text 8 MH:MP:55 Text 1 T-True F-F-Jise Text 7 Text 7 Text 7 Text 2 - 10 Az El SMR Text 7 Tex	Data																
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time GPS Lock GPS Satellite data Transmitter Frequency Transmitter On	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON) (MPS) (MIN)	Text 1 using worders, behave Text 4. Text 4. Text 4. Text 5. Text 1 using worders, behave Text 7 0 -4,000,0005econds Text 1 using worders, behave Text 1 using worders, behave Text 1 using worders, behave Text 2 using worders, behave Text 3 using worders, behave Text 3 using worders, behave Text 3 using worders, behave Text 4 using worders, behave Text 4 using worders, behave Text 5 using worders, behave Te	Data																
IPS Locator 4 char Maidenhead IPS Locator 6 char Maidenhead IPS Locator 6 char Maidenhead IPS Time IPS Lock IPS Satellite data Transmitter Frequency Transmitter On Microcontroller Paise Microcontroller Information	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON)	For 1 5-150, ModSFR, Modson Grid 4 Grid 4 For 1 8-1000 For 1 1-1000 For 1 1-10000 For 1 1-10000 For 1 1-10000 For 1 1-100000 For 1 1-1000000000000000000000000000000000	Data																
DFS locator 4 char Maidenhead DFS Locator 6 char Maidenhead DFS Time DFS Locator 6 char Maidenhead DFS Time DFS Lock DFS Satellite data Transmitter Prospency Transmitter Prospency Transmitter Prospency Transmitter Prospency Transmitter Prospency Transmitter Prospency Transmitter Char Microcontroller Faisa Microcontroller Information Low Pass fifter set MicroController VCC Voltage Transmitter Qurrent Band Transmitter Qurrent Band	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON) (MPS) (MIN) (LPI) (MVC) (TBN)	Test 1 5-55g, M-MOPR, M-Moree Test 4 Test 4 Test 4 Test 5 Test 6 Test 6 Test 7 Test	Data																
GPS locator 4 (har Maidenhead GPS Locator 6 (har Maidenhead GPS Time GPS Lock GPS Lo	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON) (MPS) (MIN) (LPI) (MVC) (TBN)	For 1 5-150, ModSFR, Modson Grid 4 Grid 4 For 1 8-1000 For 1 1-1000 For 1 1-10000 For 1 1-10000 For 1 1-10000 For 1 1-100000 For 1 1-1000000000000000000000000000000000	Data																
GPS locator 4 char Maidenhead GPS Locator 6 char Maidenhead GPS Time GPS Locator 6 char Maidenhead GPS Statelline data Transmitter Peregonery Transmitter Quarter Microcontroller Paidenmation Microcontroller Paidenmation Microcontroller Paidenmation Microcontroller Vision 1997 Microcontroller Vision 1997 Microcontroller Vision 1997 Microcontroller Vicion 1997 Transmitter Quirsett Band Transmitter Quirsett Band Transmitter Quirset Band Transmitter Quirset Band	(GL4) (GL6) (GTM) (GLC) (GSI) (TFQ) (TON) (MPS) (MIN) (LPI) (MVC) (TBN)	Test 1 5-55g, M-MOPR, M-Moree Test 4 Test 4 Test 4 Test 5 Test 6 Test 6 Test 7 Test	Data																
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