012 WSPR-TX Desktop Serial Al	Di se usod	from sof	ware version 0.96		
1012 Wol K-1X_Desktop Genal Al	i as useu	110111 301	wate version 0.30		
OC Hoom comfirm Cod on Cod on					
PC User config Set or Get co			Type of data and number of bytes		User config is sent by the PC configuration software
escription	Send	Set/Get	Data [8]	Data	Comment
Cmd CurrentMode	[CCM]	S/G	Text 1 S=Sig, W=WSPR, N=None		
Cmd User Config Store in EEPROM	[CSE]	S			
Opt TX Pause	[OTP]	S/G	Text 5 0-99999 Minutes		
Opt StartMode	[OSM]	S/G	Text 1 S=Sig, W=WSPR, N=None		
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)		
Opt Locator Precision	[OLP]	S/G	Text 1. 4 or 6 = Number of character used in the Maidenhead report.		
Opt Power	[OPW]	S/G	Text 1. N=Normal using the DPD Power Data. A=Altitude encoded.		
Dat CallSign	[DCS]	S/G	Text 6		
Dat Locator 4	[DL4]	S/G	Text 4 Maidenhead grid with four characters		
Dat Locator 6	[DL6]	S/G	Text 6 Maidenhead grid with six characters		
Dat PowerData	[DPD]	S/G	Text 2 Power in dBm. Pading with a leading zero to two characters 0-60dBm		
Dat Name	[DNM]	S/G	Text 40		
Dat Generator Frequency	[DGF]	S/G	Text 12 Frequency in Centi Hertz. Paded with leading zeros to 12 characters		
. ,					LP filters are automatically set by the WSPR Beacon and Signal Gen. routines but can be
Debug Set LP Filter	[CSL]	S	Text 1. Text1=A,B,C or D for LP bank.		temporarily overrided by this command for testing purposes
PC Factory config Set or Get	comma	nds	Type of data and number of bytes		Factory data is sent by the PC Factory configuration software
Description	Send	Set/Get	Data [8]	Data	Comment
actory Product model Number	[FPN]	G	Text 5 0-65534		1011=WSPR-TX_LP1, 1012=WSPR Desktop, 1017=WSPR Mini
Factory Hardware Version	[FHV]	S/G	Text 3 0-255		
Factory Hardware Revision	[FHR]	S/G	Text 3 0-255		
Factory Software Version	[FSV]	G	Text 3 0-255		
-actory Software Revision	[FSR]	G	Text 3 0-255		
Factory Reference Oscillator Frequency	[FRF]	S/G	Text 9 Frequency in Hertz. Paded with leading zeros to 9 characters		Normally 026000000
	+		3		98=just a link between input and output - the firmware will use this if no other filter is a good
Factory Low Pass Filter installed	[FLP]	S/G	Text 1 A,B,C or D for indicating or setting bank of low pass filter A to D	Text 2 00 to 15 for band *	match, 99=Nothing fitted (open circut) the firmware will never use this as a filter
Cmd FactoryConfig Store in EEPROM	[FSE]	S			
Arduino replies for Get comr	nands		Type of data and number of bytes		Replies from the Arduino in respons to a Get query
Description	Return		Data	Data	
Cmd CurrentMode	{CCM}		Text 1 S=Sig, W=WSPR, N=None		
Opt TX Pause	(OTP)		Text 5 0-99999 Minutes		
Opt StartMode	{OSM}		Text 1 S=Sig, W=WSPR, N=None		
Opt Band TX Enable	(OBD)		Text 2 Text 1. Band number *, E=Enable, D=Disable		
Opt Location	(OLC)		Text 1. G=GPS calculated, M=Manual (DL4 data)		
Dat CallSign	{DCS}		Text 6		
Dat Locator 4	{DL4}		Text 4		
Dat Locator 6	{DL4}		Text 6		
Dat Locator o Dat PowerData	{DPD}		Text 2 (00 to 60) dBm		
Dat Name	{DPD} {DNM}		Text 40		
	<u> </u>				
Dat Generator Freq	{DGF}		Text 12 Frequency in Centi Hertz. Paded with leading zeros to 12 characters		
Arduino Status update mess					
			Type of data and number of bytes		These messages are sent whenever the Arduino thinks it's appropriate

Description	Return	Data	Data	
Current Mode	{CCM}	Text 1 S=Sig, W=WSPR, N=None	Data	
GPS locator 4 char Maidenhead	{GL4}	Text 4		
GPS Locator 4 Char Maidenhead	{GL4} {GL6}	Test 6		
	(GLO) (GTM)			
GPS Time		Text 8 HH:MM:SS		
GPS Lock	{GLC}	Text 1 T=True F=False		
GPS Satellite data	{GSI}	Text2 Text3 Text2 Text2 - ID Az EI SNR		
Transmitter Frequency	{TFQ}	Text 5-12 Frequency in centiHz, no leading zeros		
Transmitter On	{TON}	Text 1 T=True F=False		
Microcontroller Paus	{MPS}	Text 7 0-4,000,000Seconds		
Microcontroller Information	{MIN}	Text		
Low Pass filter set	{LPI}	Text 1 A-D		
MicroController VCC Voltage	{MVC}	Text 4 0-9999mV (Normally 3300)		
Transmitter Current Band	{TBN}	Text 2=Band number *		
Transmitter WSPR Symbol	{TWS}	Text 2 Text3 Band number *, WSPR symbol count 0-161		
Transmitter WSPR Band Cycle Complete	{TCC}			
		* Band number definitions		
		00=2190m		
		01=630m		
		02=160m		
		03=80m		
		04=40m		
		05=30m		
		06=20m		
		07=17m		
		8=15m		
		9=12m		
		9=12m 10=10m		
		11=6m		
		12=4m		
		13=2m		
		14=70cm		
		15=23cm		