

1012 WSPR-TX_Desktop Serial API									
PC User config Set or Get commands					User config is sent by the PC configuration software				
Description	Send	Set/Get	Data [8..]	Data					
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+space+Text 1 . Text2=Band Enum. Text1 E/D E=Enable, D=Disable						
Opt Location	[OLC]	S/G	Text 1. G=GPS calculated, M=Manual (DL4 data)						
Dat CallSign	[DCS]	S/G	Text 6						
Dat Locator 4	[DL4]	S/G	Text 4						
Dat PowerData	[DPD]	S/G	Text 2 (00 to 60) dBm						
Dat Name	[DNM]	G	Text 40		Not implemented				
Dat Generator Freq	[DGF]	S/G	Text 12 (000000000000 to 999999999999)Centi Hertz						
PC Factory config Set or Get commands					Factory data is sent by the PC Factory configuration software				
Description	Send	Set/Get	Data [8..]	Data					
Factory 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						
Factory Software Revision	[FSR]	G	Text 3 0-255						
Factory Reference Oscillator Frequency	[FRF]	S/G	Text 9 (000000000 to 9999999999)Hz		Normally 026000000				
Factory Low Pass Filter installed	[FLP]	S/G	Text 1+space+Text 2. Text1=A,B,C or D for LP bank. Text2=00 to 15 for band. 98=just a link between input and output, 99=Nothing fitted (open circuit) the firmware will never use this						
Cmd FactoryConfig Store in EEPROM	[FSE]	S							
Arduino replies for Get commands					Replies from the Arduino in respons to a User config or Factory config 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 Enum band	Text 1 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 PowerData	{DPD}		Text 2 (00 to 60) dBm						
Dat Name	{DNM}		Text 40						
Dat Generator Freq	{DGF}		Text 12 (000000000000 to 999999999999)mHz						
Arduino Status update messages (Can be sent at anytime, they are not in respons to a get command query)					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						
GPS locator	{GL4}		Text 4						
GPS Time	{GTM}		Text 8 HH:MM:SS						
GPS Lock	{GLC}		Text 1 T=True F=False						

Transmitter Frequency	{TFQ}			Text 5-12 0-terminated centiHz								
Transmitter On	{TON}			Text 1 T=True F=False								
Microcontroller Paus	{MPS}			Text 7 0-4,000,000Seconds								
Microcontroller Information	{MIN}			Text								