PC User config Set or Get commands

User config is sent by the PC configuration software

Description	Send	Set/Get [6]	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]	S/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

Factory Product model Number	[FPN]	S/G	Text 5 0-65534	
Factory Hardware Version	[FHV]	S/G	Text 3 0-255	
Factory Hardware Revision	[FHR]	S/G	Text 3 0-255	
Factory Reference Oscillator Frequency	[FRF]	S/G	Text 9 (000000000 to 999999999)Hz	Normally 026000000
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

These messages are sent whenever the Arduino thinks it's appropriate

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 deciHz	
Transmitter On	{TON}	Text 1 T=True F=False	
Microcontroller Paus	{MPS}	Text 7 0-4,000,000Seconds	
Microcontroller Information	{MIN}	Text	