25-	м	ar	-2	
-----	---	----	----	--

PONS 230 234 234 23618 33618 33616 33618 336						1		
VR data to Rc from AGIO RC AGIO to RC settings to arduino from RC PID to arduino from RC 102 104 106 106 107 129 129 129 127	PGNs	230				32614	32616	
1					1.1			
1 129 129 129 129 127 127 127 127 127 127 127 127 127 127		VR data to RC from AGIO						
source source source source source source source source ard sensor iD low 4 bits, and union 1D high 4 bits and union 1D h	0	128	128					
2 source source source arduino ID high 4 bits of SMO, SW1, SW2, SW3, SW4, SW5, SW5, SW7 4 length length length length rate applied Mid relay Hi, 8-15 MinPWM sw8, SW9, SW10, SW11, SW12, SW3, SW4, SW5, SW6, SW7 5 rate 0 Lo Main speed Lo - kmh X 10 rate applied Hi acc. Quantity Lo, 10 X actual rate set Lo, 10 X actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 11 rate 3 Lo On Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow bit 4, pulses to measure	1	129	129	129				127
AGIO PGN 0xE6 (230) AGIO PGN 0xE6 (234) AGIO PGN 0xF6 (234) AGIO P					· ·		· ·	auto, Mstr On, Mstr
AGIO PGN 0xE6 (230) AGIO PGN 0xEA (234) AGIO PGN 0xF1 AGIO	2	source	source	source	arduino ID high 4 bits	arduino ID high 4 bits	arduino ID high 4 bits	
4 length length length rate applied Mid relay Hi, 8-15 MinPWM sw12, sw13, sw10, sw11, sw12, sw13, sw14, sw15 5 rate 0 Lo Main speed Lo - kmh X 10 rate applied Hi rate set Lo, 10 X actual LowMax 6 rate 0 Hi - speed Hi acc. Quantity Lo, 10 X actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 bit 1/2, control type 0-3 bit 3, simulate flow bit 4, pulses to measure								
4 length length length rate applied Mid relay Hi, 8-15 MinPWM sw12, sw13, sw14, sw15 5 rate 0 Lo Main speed Lo - kmh X 10 rate applied Hi rate set Lo, 10 X actual LowMax 6 rate 0 Hi - speed Hi acc. Quantity Lo, 10 X actual Trate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC 14 rate 4 Hi 15 CRC	3	AGIO PGN 0xE6 (230)	AGIO PGN 0xEA (234)	AGIO PGN 0xFE (254)	rate applied Lo, 10 X actual	relay Lo, 0-7	KP	
5 rate 0 Lo Main speed Lo - kmh X 10 rate applied Hi rate set Lo, 10 X actual LowMax 6 rate 0 Hi - speed Hi acc. Quantity Lo, 10 X actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi 15 CRC								
acc. Quantity Lo, 10 X actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi 15 CRC bit 4, pulses to measure	4	length	length	length	rate applied Mid	relay Hi, 8-15	MinPWM	sw12, sw13, sw14, sw15
acc. Quantity Lo, 10 X actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi 15 CRC bit 4, pulses to measure								
6 rate 0 Hi - speed Hi actual rate set Mid HighMax 7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC 14 rate 4 Hi 15 CRC bit 1/2, control type 0-3 bit 4, pulses to measure	5	rate 0 Lo	Main	speed Lo - kmh X 10	- ''	rate set Lo, 10 X actual	LowMax	
7 rate 1 Lo - status acc. Quantity Mid rate set Hi Deadband 8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC 14 rate 4 Hi bit 1,2, control type 0-3 15 CRC 16 bit 4, pulses to measure					acc. Quantity Lo, 10 X			
8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC 14 rate 4 Hi 15 CRC bit 4, pulses to measure	6	rate 0 Hi	-	speed Hi	actual	rate set Mid	HighMax	
8 rate 1 Hi Number of sections steer angle Lo acc. Quantity Hi flow Cal Lo BrakePoint 9 rate 2 Lo On Group 0 steer angle Hi PWM Lo flow Cal Hi, 100 X actual TimedAdjustment 10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo 12 rate 3 Hi Off Group 1 Relay Hi 13 rate 4 Lo CRC CRC 14 rate 4 Hi 15 CRC bit 4, pulses to measure								
9	7	rate 1 Lo	-	status	acc. Quantity Mid	rate set Hi	Deadband	
9	_							
10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo byte 9 12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	8	rate 1 Hi	Number of sections	steer angle Lo	acc. Quantity Hi	flow Cal Lo	BrakePoint	
10 rate 2 Hi Off Group 0 - PWM Hi Commands 11 rate 3 Lo On Group 1 Relay Lo byte 9 12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	_							
11 rate 3 Lo On Group 1 Relay Lo byte 9 12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	9	rate 2 Lo	On Group 0	steer angle Hi	PWM Lo	flow Cal Hi, 100 X actual	TimedAdjustment	
11 rate 3 Lo On Group 1 Relay Lo byte 9 12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure								
12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	10	rate 2 Hi	Off Group 0	-	PWM HI	Commands		
12 rate 3 Hi Off Group 1 Relay Hi bit 0, reset acc. Quantity 13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	11		0= 0==== 1	Delevite		b		
13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	11	rate 3 LO	On Group 1	Relay LO		byte 9		
13 rate 4 Lo CRC CRC bit 1/2, control type 0-3 14 rate 4 Hi bit 3, simulate flow 15 CRC bit 4, pulses to measure	12	t- 2 U	0# 0 1	Delev III		hit O seest one Occastitus		
14 rate 4 Hi 15 CRC bit 3, simulate flow bit 4, pulses to measure	12	rate 3 mi	Oll Group 1	кејау пі		bit 0, reset acc. Quantity		
14 rate 4 Hi 15 CRC bit 3, simulate flow bit 4, pulses to measure	12	rata 4 La	CDC	CBC		hit 1/2 control tupo 0.2		
15 CRC bit 4, pulses to measure	13	rate 4 LO	CRC	CKC		bit 1/2, control type 0-3		
15 CRC bit 4, pulses to measure	14	4 III				his 2 sinsulate fla		
	14	rate 4 mi				DIC 3, SIMUIALE HOW		
	15	CBC				hit 4 nulses to measure		
16 bit 5, Auto On	13	CRC	l			bit 4, puises to measure		
UIC3, AUGUOTI	16					hit 5 Auto On		
	10					DIL 3, AULU OII		

	32619	32620	32621	32622	32623	32624
	Wifi section switches to	Section switch IDs to	pressures to RC from			
	arduino	arduino from RC	arduino	PCB config	PCB config 2	PCB pins
0	107	108	109	110	111	112
1	127	127	127	127	127	127
2	Master On	sec 0, 1	arduino ID	Receiver, 0 none, 1 SimpleRTK2B, 2 Sparkfun	RTCM port, Lo	Steer DIR
2	sw0, sw1, sw2, sw3, sw4,			IMU, 0 none, 1 Sparkfun, 2	DTCM and III	Charles Divine
3	sw5, sw6, sw7	sec 2, 3	sensor 0, Lo	CMPS14, 3 Adafruit	RTCM port, Hi	Steer PWM
4	sw8, sw9, sw10, sw11, sw12, sw13, sw14, sw15	sec 4, 5	sensor 0, Hi	IMU read delay	ADS1115 WAS pin	Steer switch
5		sec 6, 7	sensor 1, Lo	IMU report interval	Module ID	Wheel angle sensor
6		sec 8, 9	sensor 1, Hi	WAS zero offset, Lo	Power relay - always on	Steer relay
7		sec 10, 11	sensor 2, Lo	WAS zero offset, Hi	RS485 port number	Work switch
	-	Sec 10, 11	Selisul 2, Lu	WAS Zelo oliset, ni	K3463 port Humber	WOLK SWITCH
8		sec 12, 13	sensor 2, Hi	Minimum speed	Commands	Current sensor
9		sec 14,15	sensor 3, Lo	Maximum speed	Restart	Pressure sensor
10		ex: sec 0 is low 4 bits, sec 1 is high 4 bits of byte 2	sensor 3, Hi	Pulse Cal X 10, Lo	Byte 8:	Encoder
11				pulse Cal X 10, HI	bit 0, GyroOn	Rate DIR
- 11	1			puise car x 10, 111	bit o, dyroon	Nace DIN
12				Restart	bit 1, GGAlast	Rate PWM
13					bit 4, Use rate control	Speed pulse
14					bit 7, use ADS1115	RS485 send enable
15					bit 5, Relay on signal	Restart
	-				bit 6, flow on signal	
					bit 2, Swap pitch for roll	
					bit 3, Invert roll	