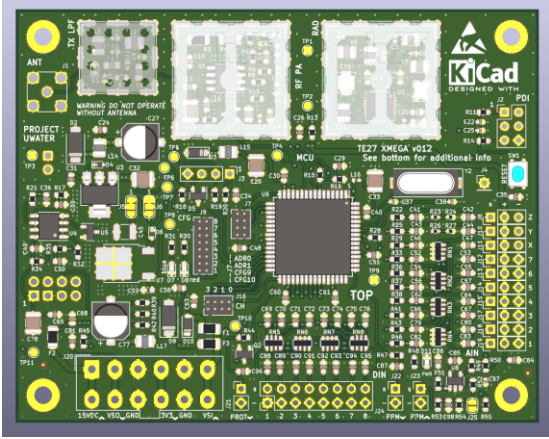


Overview transmitter PCB

Transmitter PCB	Radio	Software	Specs	CONFIG jumpers
 Separate power supply connections for RF power amplifier and remaining electronics.	Equipped with ONSEMI AX5043 transceiver IC 50mW CE pre-compliance	Independent of ballast system Depends on used radio	15VDC regulated 75x95mm Simplex/1-way communication Frequencies [MHz]: 26.995 27.045 27.095 27.145 27.195 27.255 FSK modulation BW=10kHz 50Ω antenna impedance 7x analogue input 8x digital input 1x PPM input 1x PPM output 1x USART port (3V3)	System 1 = TBD 2 = Invert piston tank(s) 3 = Invert dive plane 4 = Invert rudder (L/R) 5 = Invert propulsion 6 = Extended servo pulses OTA 7 = Speed adjust after tank OTA 8 = Invert speed adjust after tank 9 = Invert free1&2 10 = Disable RF PA X = Analogue gain joysticks Y = PPM signal source Z = Invert PPM 3x RF channel 2x Protocol address
	Equipped with Radiometrix LMT0 module at the back 100mW CE approved			

Function overview¹

ANA/DIG	n	Ballast system with piston tanks			Ballast tanks with pumps and valves		
		Transmitter input		Receiver output	Transmitter input		Receiver output
Analogue (servos)	1	Left/right	Joystick	Left/right	Left/right	Joystick	Left/right
	2	Dive rudder	Joystick	Dive rudder	Dive rudder	Joystick	Dive rudder
	3	Free 1	Potmeter	Free 1	Free 1	Potmeter	Free 1
	4	Free 2	Potmeter	Free 2	Free 2	Potmeter	Free 2
	5	Piston tank speed	Joystick	Piston tank forward	Not used	NA	Pump forward
	6	Propeller	Joystick	Propeller	Propeller	Joystick	Propeller
	7	Piston tank speed balance	Potmeter	Piston tank after	Pump speed	Potmeter	Pump after
Digital (switches and push buttons)	1	DIN 1		NPN 1	DIN 1		NPN 1
	2	DIN 2		NPN 2	DIN2		NPN 2
	3	DIN 3		NPN 3	DIN 3		NPN 3
	4	DIN 4		NPN 4	Not used		Valve empty forward
	5	DIN 5		NPN 5	Empty		Valve empty after
	6	DIN 6		NPN6	Fill		Valve fill forward
	7	Halves propeller and piston tank speed		NPN7 ²	Halves propeller speed		Valve fill after
	8 ³	Disable piston tank control		NA	Disable pumps and valves		NA

¹ Applicable to receivers with digital outputs (standard series)

² Operated together with NPN6 for extra heavy load switching

³ Used locally in transmitter only