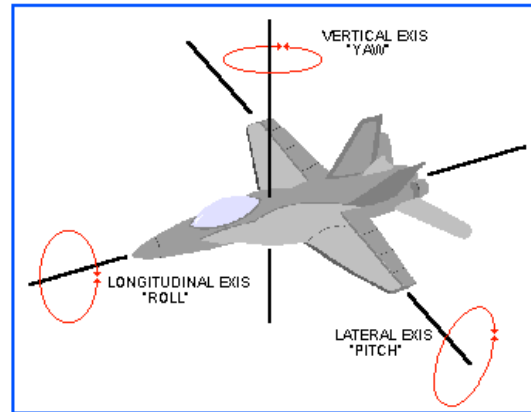


Info sobre los canales PWM del UAV

- CH1 – Throttle (Acelerador)
- CH2 – Pitch
- CH3 – Roll
- CH4 – Yaw
- CH5 – Camera
- CH6 – Extension



The output signal for each channel is a pulsed signal. The pulse width (commonly 1000uS to 2000uS) is determined by the corresponding channel of the transmitter. This output pulse ranges from 1000uS to 2000uS, with 1500uS typically being center. Center being 1500uS, if the pulse is shifted above 1500uS, the direction of travel is one direction. If the pulse is shifted below 1500uS, the direction of travel is in the opposite direction.

Channels that are controlled by a switch (such as the gear channel) will operate the pulse width from two set values such as 1100uS when in one position and 1900uS when set to the other position to activate servo movement.

Por lo que hemos estado comprobando (experimentalmente) los motores empiezan a moverse a partir de 1500us, por lo que el valor mínimo es 1600us y el máximo será 2500-2600, aunque nunca lo hemos probado.

Ejemplo en el X650:

The screenshot shows the XAircraft Configuration V1.0 software interface. The 'RC' tab is selected, and the 'Channel Mapping' section is visible. The interface includes a 'Disconnect' button and a 'Save' button. The channel mapping table is as follows:

Channel	Width	Period	Reverse	Min	Neutral	Max	Mapping
CH1	1353 us	19.41 ms	<input type="checkbox"/>	1100	1500	1900	Throttle
CH2	1761 us	19.82 ms	<input type="checkbox"/>	1100	1500	1900	Pitch
CH3	1257 us	19.31 ms	<input type="checkbox"/>	1100	1500	1900	Roll
CH4	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	Yaw
CH5	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	CameraPitch
CH6	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	CameraRoll
CH7	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	CameraYaw
CH8	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	CameraShutter
CH9	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	NoSet
CH10	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	NoSet
CH11	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	NoSet
CH12	0 us	0.00 ms	<input type="checkbox"/>	1100	1500	1900	NoSet

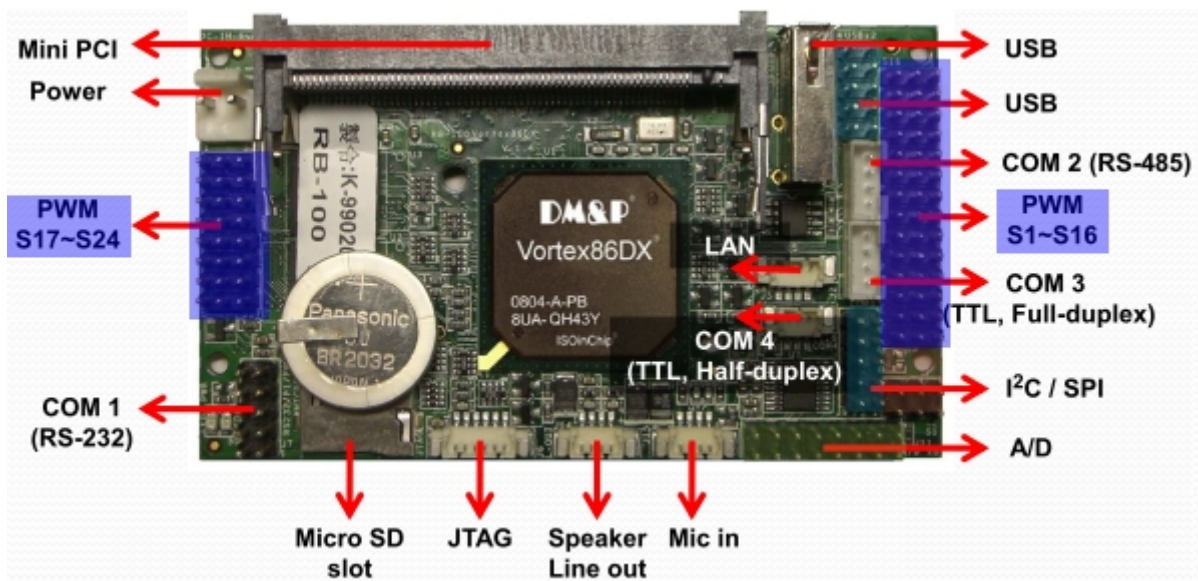
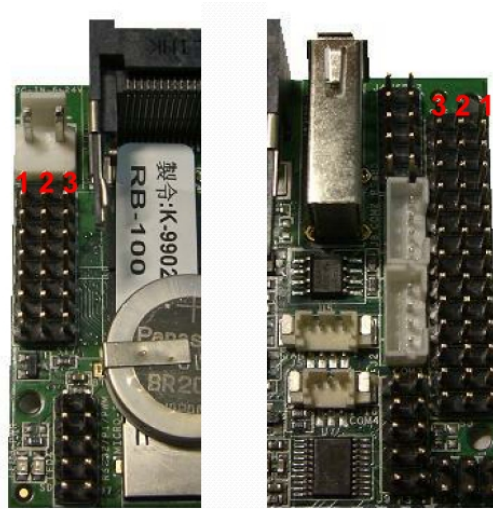
Port COM9 Baudrate 57600 Product X650 XAircraft Configuration V1.0

Conexión de los canales PWM con la ROBOARD (RB100)

XX → Número del canal

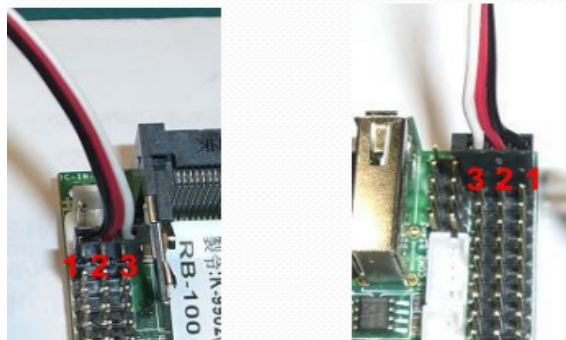
GPXX → Por donde va la señal PWM.

Pin #	Signal Name
1	GND
2	Vxx
3	GPXX



Aunque en la imagen ponga del S1-S24, en realidad para la placa son del 0 al 23.

Connection Example



PWM Initial pull up/down switch

Pin	Signal Name
Left	PWM init Pull Down
Right	PWM init Pull UP

