

# System Interrupts

Mode	Timer Settings		
TX	Tim2	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	0
		Timer Purpose	NOT USED IN TRANSMISSION LOGIC
		GPIO	PA15 (No Input/Output)
	Tim3	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	828
		Timer Purpose	Using Timer 3 global interrupt to force correct baud rate on DAC output.
		GPIO	None
	Tim4	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	108 (Low) / 59 (High)
		Timer Purpose	Triggers DAC for wave incrementing through wave.
		GPIO	(No Input/Output)
	Tim5	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	0
		Timer Purpose	NOT USED IN TRANSMISSION LOGIC
		GPIO	PA0 (No Input/Output)

# System Interrupts

Mode	Timer Settings		
RX	Tim2	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	4294967295 (max)
		Timer Purpose	Output compare fires to sample decoded binary values from frequency.
		GPIO	PA15 (No Input/Output)
	Tim3	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	0
		Timer Purpose	NOT USED IN RECEIVING LOGIC
		GPIO	None
	Tim4	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	0
		Timer Purpose	NOT USED IN RECEIVING LOGIC
		GPIO	None
	Tim5	Pre-Scaler (Effective Frequency)	2-1 (40MHz)
		Reload Count	4294967295 (max)
		Timer Purpose	Output compare fires to sample ADC.
		GPIO	PA0 (No Input/Output)