## Digital - To - Analog Converter)

We use DAC to generate analog signals, say sound for an example. It can also be used to generate unusoidal waves, towargular wares, etc. This is the simplest peripheral in NXP 1902148 ARM.

It contains only one DAC, i.e. one channel output. PO.25/ADD 4/ADUT - DAG PU

STEPS FOR DAL CONFIGURATION:

configure PO.25 as DAC pin (ADVI) PINSEL1 = (14×19);

configure value of the output

DACR = (value ( b)

+ STEP V - PINSELI 1 - (1<<19);

Bit Symbol Value Function Reset 00 GP10 Part 0-25 19:18 PO.25 Reserved or April (DAC) Reserved

& some as ADC STEP 2 - DACR = (value (< 6); [10-bit value input]

Table - DAC Register (DACR - address 0x took cook) bit description

	Bit	Symbal	Value	Description	0
	Die	0	Victor		Value
	5:0			Reserved, user software should not	Ala
				write ones to reserved buts. The value	NA
				read from a neserved but a not die	
	15:6	VALVE		After the selected settling time after	0
_				this field is written with a new	
				VASUE, the valtage on the April on	
				(with respect to VSSA) is Value 1024+ VRTE	

	16	BIAS	0	The settling time of the DAL is 1 yes max,	0
				and the maximum current is 100 vA.	
_				and the maximum current is 350 pm.	
	31:17	-		Reserved, user software should not write	NA
_				ones to reserved bits. The value read from	
				a reserved bit is not defined.	

				and the second s	and the second s			
	31	17	16	15	6	5	0	
DACR			BIAS	VAL	The Real Conference of the State of the Stat			
	and the spectrum of the strategy as well as the strategy of th		THE RESERVE THE PROPERTY OF TH	SANSON PROPERTY STATES		The second secon		