

PRODUCT DESCRIPTION

The Pixtree Graphic Equalizer is 10 bands graphic equalier from 20Hz to 20KHz that allows to add up to 12 dB boost and -12 dB cut of a band. The Pixtree Graphic Equalizer is designed for fixed-point platform. This EQ has a variety preset

FEATURES

Supported Graphic EQ features	Applications	Digital Audio Players
		Mobile phones
		AV players
		Set-top boxes
		Car audio systems
		Digital radio players
	Channel mode	mono, stereo
Sample rates (kHz)	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48	
Bits per sample	16 Bits	
Supported Software features	Supported library formats	ADS 1.2, RealView 3.0
		WinCE (Embedded Visual C), WIN32
	Data Memory	can be allocated at run-time
	API	C callable interface

PERFORMANCE & MEMORY REQUIREMENTS

	High Quality EQ(10 Bands)
Complexity	19.9 MCPS (worst-case)
Code ROM	17.3 kB
Constant Data ROM	2.6 kB
RAM	0.3 kB

- Complexity Information - Profiled on an ARM9E in ADS 1.2, with zero wait state momory interfaces for typical stereo music content at 44.1 kHz in 10 Bands EQ.
- worst-case - Gain of 10 Bands is boosting 12dB

PRESET PERFORMANCE LISTS

	High Quality EQ	Low Complexity EQ
Classical	17.7 MCPS	9.7 MCPS
Club	17.7 MCPS	9.7 MCPS
Dance	17.7 MCPS	12.4 MCPS
Full Bass	18.0 MCPS	12.6 MCPS
Full Bass & Treble	17.7 MCPS	12.4 MCPS
Full Treble	17.7 MCPS	12.3 MCPS
Laptop S/H	17.7 MCPS	12.3 MCPS
Large Hall	17.8 MCPS	12.3 MCPS
Live	17.7 MCPS	12.5 MCPS
Party	17.7 MCPS	9.8 MCPS
Pop	17.8 MCPS	12.4 MCPS
Reggae	17.7 MCPS	9.7 MCPS
Rock	17.7 MCPS	12.4 MCPS
Ska	17.7 MCPS	12.3 MCPS
Soft Rock	17.7 MCPS	12.5 MCPS
Soft	17.7 MCPS	12.4 MCPS
Techno	17.7 MCPS	12.4 MCPS
Jazz	17.8 MCPS	12.4 MCPS

- Complexity Information - Profiled on an ARM9E in ADS 1.2, with zero wait state memory interfaces for typical stereo music content at 44.1 kHz in 10 Bands EQ.
- Low Complexity EQ - This version is only available preset mode

DELIVERABLES

- Pixtree Graphic Equalizer Library : Binary
- Spec sheet