

## DME Designer Component Resource Utilization

この表は、DME Designer上で各コンポーネントを配置した際に表示されるリソースメーターの値を転記したものです。リソースメーターはDSPの使用量のみを表示しているため、コンフィグレーションによっては、リソースメーターが100%未満であっても、メモリーや(内部的な)入出力数の制限によって、DMEに転送できない場合があります。Delayなどのメモリー消費量の多いコンポーネントや、Routerなど入出力数の多いコンポーネントを多数使用する場合は、設計時にDME DesignerのAnalyze機能(DME本体を使用せずに転送の可否を確認できる機能)を利用して、該当のコンフィグレーションが転送可能かどうかを随時確認することをお勧めします。

Sampling Frequency (F <sub>s</sub> ): 48kHz				DME24N		DME64N		DME8i-C & DME8i-ES		DME8o-C & DME8o-ES		DME4i-C & DME4i-ES		
Main Component Category	Component sub-category 1	Component sub-category 2	Component	DSP 2%	SPX 0%	DSP 0%	SPX 0%	DSP 4%	0%	DSP 6%	0%	DSP 5%	0%	
<i>Initial DSP amount</i>														
Ambient Noise Compensator			Mono	1%		1%		1%		1%		1%		
			Stereo	2%		1%		2%		2%		2%		
Audio Detector			Audio Detector	1%		1%		2%		2%		2%		
Auto Gain Control			Mono	2%		1%		2%		2%		2%		
			Stereo	3%		2%		3%		3%		3%		
Crossover			2 Way	3%		2%		3%		3%		3%		
			3 Way	4%		2%		5%		5%		5%		
			4 Way	6%		3%		6%		6%		6%		
			5 Way	7%		4%		7%		7%		7%		
			6 Way	8%		4%		8%		8%		8%		
Crossover Processor			2 Way	5%		3%		5%		5%		5%		
			3 Way	7%		4%		7%		7%		7%		
			4 Way	9%		5%		9%		9%		9%		
			5 Way	11%		6%		11%		11%		11%		
			6 Way	12%		6%		13%		13%		13%		
Crossover Processor II			2 Way	6%		3%		6%		6%		6%		
			3 Way	8%		4%		9%		9%		9%		
			4 Way	11%		6%		11%		11%		11%		
			5 Way	13%		7%		13%		13%		13%		
			6 Way	16%		8%		16%		16%		16%		
Delay	Long		1 Output	1%		1%		1%		1%		1%		
			2 Output	1%		1%		1%		1%		1%		
			3 Output	2%		1%		2%		2%		2%		
			4 Output	2%		1%		2%		2%		2%		
			5 Output	2%		1%		2%		2%		2%		
			6 Output	3%		2%		3%		3%		3%		
			7 Output	3%		2%		3%		3%		3%		
			8 Output	3%		2%		3%		3%		3%		
	Short			1 Output	1%		1%		1%		1%		1%	
				2 Output	1%		1%		1%		1%		1%	
				3 Output	2%		1%		2%		2%		2%	
				4 Output	2%		1%		2%		2%		2%	
				5 Output	2%		1%		2%		2%		2%	
				6 Output	3%		2%		3%		3%		3%	
				7 Output	3%		2%		3%		3%		3%	
				8 Output	3%		2%		3%		3%		3%	
Dynamics	Compander	Compander H	Mono	1%		1%		1%		1%		1%		
			Stereo	2%		1%		2%		2%		2%		
		Compander S	Mono	1%		1%		1%		1%		1%		
			Stereo	2%		1%		2%		2%		2%		
	Compressor	Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
	De-Esser	Mono	2%		1%		2%		2%		2%			
		Stereo	3%		2%		3%		3%		3%			
	Ducking	Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
	Expander	Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
	Gate	Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
	Limiter	Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
EQ	GEQ	Mono	7 Band	3%		2%		3%		3%		3%		
			15 Band	4%		2%		4%		4%		4%		
			31 Band	6%		3%		7%		7%		7%		
		Stereo	7 Band	5%		3%		5%		5%		5%		
			15 Band	7%		4%		7%		7%		7%		
			31 Band	12%		6%		12%		12%		12%		
	PEQ	Mono	2 Band	1%		1%		1%		1%		1%		
			3 Band	1%		1%		1%		1%		1%		
			4 Band	1%		1%		1%		1%		1%		
		Stereo	6 Band	2%		1%		2%		2%		2%		
			8 Band	2%		1%		2%		2%		2%		
			2 Band	1%		1%		1%		1%		1%		
				3 Band	2%		1%		2%		2%			
				4 Band	2%		1%		2%		2%			
				6 Band	3%		2%		3%		3%			
				8 Band	3%		2%		3%		3%			
Fader			1 Channel	1%		1%		1%		1%		1%		
			2 Channel	1%		1%		1%		1%		1%		
			4 Channel	1%		1%		1%		1%		1%		
			8 Channel	2%		1%		2%		2%		2%		
			12 Channel	3%		2%		3%		3%		3%		
			16 Channel	4%		2%		4%		4%		4%		
Feedback Suppressor			Feedback Suppressor	0%	25%	0%	25%	Not Available	Not Available	Not Available	Not Available	Not Available		
Filter	BPF		Mono	1%		1%		1%		1%		1%		
			Stereo	1%		1%		1%		1%		1%		
	HPF		Mono	1%		1%		1%		1%		1%		
			Stereo	1%		1%		1%		1%		1%		
	LPF		Mono	1%		1%		1%		1%		1%		
			Stereo	1%		1%		1%		1%		1%		
	Notch		Mono	1%		1%		1%		1%		1%		
			Stereo	1%		1%		1%		1%		1%		
	Programmable BPF		Mono	2%		1%		2%		2%		2%		
			Stereo	3%		2%		3%		3%		3%		
	Programmable HPF		Mono	1%		1%		1%		1%		1%		
			Stereo	2%		1%		2%		2%		2%		
Programmable LPF		Mono	1%		1%		1%		1%		1%			
		Stereo	2%		1%		2%		2%		2%			
Meter			1 Channel	1%		1%		1%		1%		1%		
			2 Channel	1%		1%		1%		1%		1%		
			4 Channel	1%		1%		1%		1%		1%		
			8 Channel	2%		1%		2%		2%		2%		
			12 Channel	3%		2%		3%		3%		3%		
			16 Channel	4%		2%		4%		4%		4%		
Miscellaneous		Oscillator	Mono	2%		1%		2%		2%		2%		
		Wav File Player	N.B. A maximum of one Wav file player can be inserted per DME.	1%		1%		1%		1%		1%		

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Sampling Frequency (F <sub>s</sub> ): 48kHz				DME24N		DME64N		DME8i-C & DME8i-ES		DME8o-C & DME8o-ES		DME4io-C & DME4io-ES						
Main Component Category	Component sub-category 1	Component sub-category 2	Component	DSP	SPX	DSP	SPX	DSP		DSP		DSP						
Mixer	Auto Mixer		2 Channel	2%		2%		2%		2%		2%						
			4 Channel	3%		2%		3%		3%		3%						
			8 Channel	5%		3%		5%		5%		5%						
			12 Channel	7%		4%		7%		7%		7%						
			16 Channel	9%		5%		9%		9%		9%						
	Auto Mixer II		8 Channel	5%		3%		5%		5%		5%						
			16 Channel	8%		4%		8%		8%		8%						
	Delay Matrix	2 Input		2 Output	3%		2%		3%		3%		3%					
				4 Output	4%		2%		4%		4%		4%					
				8 Output	7%		4%		7%		7%		7%					
				12 Output	10%		5%		10%		10%		10%					
				16 Output	12%		6%		13%		13%		13%					
				2 Output	4%		2%		4%		4%		4%					
		4 Input		4 Output	7%		4%		7%		7%		7%					
				8 Output	13%		7%		13%		13%		13%					
				12 Output	18%		9%		19%		19%		19%					
				16 Output	24%		12%		24%		24%		24%					
				2 Output	8%		4%		8%		8%		8%					
				4 Output	14%		7%		14%		14%		14%					
		8 Input		8 Output	25%		13%		26%		26%		26%					
				12 Output	31%		16%		32%		32%		32%					
				16 Output	40%		20%		42%		42%		42%					
				1 Output	2%		1%		2%		2%		2%					
				2 Output	2%		1%		2%		2%		2%					
				4 Output	2%		1%		2%		2%		2%					
		Matrix Mixer	2 Input		2 Output	2%		1%		2%		2%		2%				
					4 Output	2%		1%		2%		2%		2%				
					8 Output	3%		2%		3%		3%		3%				
					16 Output	4%		2%		4%		4%		4%				
			4 Input		4 Output	2%		1%		2%		2%		2%				
					8 Output	2%		1%		2%		2%		2%				
	12 Output				3%		2%		3%		3%		3%					
	16 Output				3%		2%		4%		4%		4%					
	1 Output				2%		1%		2%		2%		2%					
	2 Output				2%		1%		2%		2%		2%					
	8 Input			8 Output	3%		2%		3%		3%		3%					
				16 Output	4%		2%		6%		6%		6%					
		32 Output		10%		5%		10%		10%		10%						
		1 Output		2%		1%		3%		3%		3%						
		2 Output		3%		2%		3%		3%		3%						
		4 Output		3%		2%		3%		3%		3%						
	12 Input		8 Output	4%		2%		5%		5%		5%						
			12 Output	6%		3%		6%		6%		6%						
			1 Output	3%		2%		3%		3%		3%						
			2 Output	3%		2%		3%		3%		3%						
			4 Output	3%		2%		3%		3%		3%						
			8 Output	4%		2%		5%		5%		5%						
	16 Input		12 Output	6%		3%		6%		6%		6%						
			1 Output	3%		2%		3%		3%		3%						
			2 Output	3%		2%		3%		3%		3%						
			4 Output	4%		2%		4%		4%		4%						
			8 Output	5%		3%		6%		6%		6%						
			12 Output	7%		4%		8%		8%		8%						
	24 Input		16 Output	9%		5%		9%		9%		9%						
			32 Output	16%		8%		17%		17%		17%						
			64 Output	29%		15%		30%		30%		30%						
			1 Output	Not Available		30%		Not Available		Not Available		Not Available						
			2 Output	Not Available		30%		Not Available		Not Available		Not Available						
			4 Output	Not Available		30%		Not Available		Not Available		Not Available						
	32 Input		64 Output	Not Available		56%		Not Available		Not Available		Not Available						
			64 Output	Not Available		56%		Not Available		Not Available		Not Available						
			64 Output	Not Available		56%		Not Available		Not Available		Not Available						
			64 Output	Not Available		56%		Not Available		Not Available		Not Available						
			64 Output	Not Available		56%		Not Available		Not Available		Not Available						
			64 Output	Not Available		56%		Not Available		Not Available		Not Available						
	Simple Mixer			16 Channel	11%		6%		12%		12%		12%					
				24 Channel	16%		8%		17%		17%		17%					
		LCR			1 Channel	1%		1%		1%		1%		1%				
					2 Channel	1%		1%		1%		1%		1%				
					4 Channel	1%		1%		1%		1%		1%				
					8 Channel	2%		1%		2%		2%		2%				
					12 Channel	3%		2%		3%		3%		3%				
					16 Channel	4%		2%		4%		4%		4%				
					LR			1 Channel	1%		1%		1%		1%		1%	
								2 Channel	1%		1%		1%		1%		1%	
	4 Channel	1%		1%					1%		1%		1%					
	8 Channel	2%		1%					2%		2%		2%					
	Surround			12 Channel	2%		1%		2%		2%		2%					
				16 Channel	3%		2%		3%		3%		3%					
				3-1	1%		1%		1%		1%		1%					
	Room Combiner	Mono		4 Room	2%		1%		2%		2%		2%					
				8 Room	3%		2%		4%		4%		4%					
				12 Room	6%		3%		6%		6%		6%					
				16 Room	9%		5%		9%		9%		9%					
				4 Room	3%		2%		4%		4%		4%					
		Stereo			8 Room	9%		5%		9%		9%		9%				
					12 Room	17%		9%		18%		18%		18%				
					16 Room	29%		15%		30%		30%		30%				
					4 Room	3%		2%		4%		4%		4%				
					8 Room	9%		5%		9%		9%		9%				
	Router	1 Input		2 Output	1%		1%		1%		1%		1%					
				4 Output	1%		1%		1%		1%		1%					
				8 Output	1%		1%		1%		1%		1%					
				12 Output	2%		1%		2%		2%		2%					
				16 Output	2%		1%		2%		2%		2%					
				2 Input			2 Output	1%		1%		1%		1%		1%		
							4 Output	1%		1%		1%		1%		1%		
							8 Output	1%		1%		1%		1%		1%		
							12 Output	2%		1%		2%		2%		2%		
							16 Output	2%		1%		2%		2%		2%		
2 Output							1%		1%		1%		1%		1%			
4 Input						4 Output	1%		1%		1%		1%		1%			
		8 Output	1%				1%		1%		1%		1%					
		12 Output	2%				1%		2%		2%		2%					
		16 Output	2%				1%		2%		2%		2%					
		2 Output	1%				1%		1%		1%		1%					
		4 Output	1%				1%		1%		1%		1%					
8 Input				8 Output	1%		1%		1%		1%		1%					
				12 Output	2%		1%		2%		2%		2%					
				16 Output	2%		1%		2%		2%		2%					
				2 Output	1%		1%		1%		1%		1%					
				4 Output	1%		1%		1%		1%		1%					
				8 Output	2%		1%		2%		2%		2%					
12 Input				12 Output	2%		1%		2%		2%		2%					
				16 Output	2%		1%		2%		2%		2%					
				2 Output	2%		1%		2%		2%		2%					
				4 Output	2%		1%		2%		2%		2%					
				8 Output	2%		1%		2%		2%		2%					
				12 Output	2%		1%		2%		2%		2%					
16 Input				16 Output	2%		1%		2%		2%		2%					
				2 Output	2%		1%		2%		2%		2%					
				4 Output	2%		1%		2%		2%		2%					
				8 Output	2%		1%		2%		2%		2%					
				12 Output	2%		1%		2%		2%		2%					
				16 Output	2%		1%		2%		2%		2%					
32 Input				32 Output	4%		2%		4%		4%		4%					

## DME Designer Component Resource Utilization

Sampling Frequency (F <sub>s</sub> ): 48kHz				DME24N		DME64N		DME8i-C & DME8i-ES		DME8o-C & DME8o-ES		DME4io-C & DME4io-ES	
Main Component Category	Component sub-category 1	Component sub-category 2	Component	DSP	SPX	DSP	SPX	DSP		DSP		DSP	
Source Selector	3 Position	1 Channel	1%		1%			1%		1%		1%	
		4 Position	1 Channel	1%		1%		1%		1%		1%	
	8 Position	2 Channel	1%		1%			1%		1%		1%	
		6 Channel	2%		1%			2%		2%		2%	
		1 Channel	1%		1%			1%		1%		1%	
		2 Channel	1%		1%			2%		2%		2%	
		6 Channel	3%		2%			3%		3%		3%	
		16 Position	1 Channel	1%		1%		1%		1%		1%	
	Speaker Processor	1 Way	4%		2%			4%		4%		4%	
		2 Way	6%		3%			6%		6%		6%	
3 Way		8%		4%			9%		9%		9%		
4 Way		11%		6%			11%		11%		11%		
5 Way		13%		7%			13%		13%		13%		
6 Way		16%		8%			16%		16%		16%		
SPX		SPX	0%	25%	0%	25%	Not Available		Not Available		Not Available		
User Module				User defined		User defined		User defined		User defined		User defined	

**Notes:**

- 1) 使用したDME DesignerのバージョンはV3.0.0Eです。
- 2) リソースはサンプリングレート=48kHzで計測しています。ハイサンプリング時の値は上記のほぼ倍程度となります。となります。

YAMAHA CA事業開発推進部 テクニカルマーケティンググループ