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Latency Chart

Certain Waves plug-ins need to buffer the audio in order to process, resulting in what is known as latency.

The table below indicates how much latency (in samples) is produced by each Waves plug-in.

On Venue D-Show consoles, add 3 samples per channel to the TDM 48 kHz values below.

Plug-In	44.1 / 48 kHz		88 / 96 kHz	
	TDM	Native	TDM	Native
API 550A	3	0	3	0
API 550B	3	0	3	0
API 560	68	65	68	65
API 2500	3	0	3	0
AudioTrack	3	0	3	0
C1 Compressor	3	0	3	0
C1 Gate	3	0	3	0
C1 Comp-Gate	343	340	88 kHz: 665 96 kHz: 723	88 kHz: 662 96 kHz: 720
C1 Comp-sc	343	340	88 kHz: 665 96 kHz: 723	88 kHz: 662 96 kHz: 720
C4 Multiband	67	64	131	128
Center	44.1 kHz: 47 48 kHz: 51	44.1 kHz: 44 48 kHz: 48	88 kHz: 91 96 kHz: 99	88 kHz: 88 96 kHz: 96
CLA-2A	3	0	3	0
CLA-3A	3	0	3	0
CLA-76 Blacky & Bluey	3	0	3	0
DeBreath	N/A	44.1 kHz: 32384 48 kHz: 35248	N/A	88 kHz: 64768 96 kHz: 70496
DeEsser	3	0	3	0
Doppler	3	0	N/A	N/A
Dorrough Stereo	3	0	3	0
Dorrough Surround	3	0	3	0
Doubler	3	0	3	0
Eddie Kramer Bass Channel	N/A	44.1 kHz: 493 48 kHz: 500	N/A	88 kHz: 602 96 kHz: 618
Eddie Kramer Drum Channel	N/A	44.1 kHz: 410 48 kHz: 417	N/A	88 kHz: 562 96 kHz: 578
Eddie Kramer Effects Channel	N/A	0	N/A	0
Eddie Kramer Guitar Channel	N/A	44.1 kHz: 64 48 kHz: 64	N/A	88 kHz: 128 96 kHz: 128
Eddie Kramer Vocal Channel	N/A	44.1 kHz: 149 48 kHz: 149	N/A	88 kHz: 170 96 kHz: 170
Enigma	3	0	3	0
GTR3 Amps	44.1 kHz: 37 48 kHz: 43	44.1 kHz: 34 48 kHz: 40	88 kHz: 82 96 kHz: N/A	88 kHz: 79 96 kHz: 81
GTR3 Stomps	3	0	3	0
GTR2 Amps	44.1 kHz: 37 48 kHz: 43	44.1 kHz: 34 48 kHz: 40	88 kHz: 82 96 kHz: N/A	88 kHz: 79 96 kHz: 81

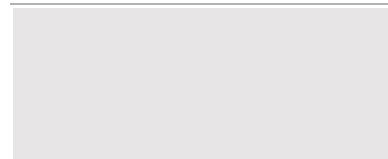
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GTR2 Stomps	3	0	3	0
H-Comp	67	64	131	128
H-Delay	3	0	3	0
IR-1 Convolution Reverb	N/A	0	N/A	0
IR-L Convolution Reverb	N/A	0	N/A	0
IR-360° Convolution Reverb	N/A	0	N/A	0
JJP PuigChild 660 & 670	3	0	3	0
JJP PuigTec MEQ5	280	149	557	170
JJP PuigTec EQP1A	280	149	557	170
L1 Ultramaximizer	67	64	131	128
L2 Ultramaximizer	67	64	131	128
L3 Multimaximizer	44.1 kHz: 3531 48 kHz: 3843	44.1 kHz: 3528 48 kHz: 3840	88 kHz: 7059 96 kHz: 7683	88 kHz: 7056 96 kHz: 7680
L3 Ultramaximizer	44.1 kHz: 3531 48 kHz: 3843	44.1 kHz: 3528 48 kHz: 3840	88 kHz: 7059 96 kHz: 7683	88 kHz: 7056 96 kHz: 7680
L3-16 Multimaximizer	N/A	6207	N/A	10367
L3-LL Multimaximizer	67	64	N/A	128
L3-LL Ultramaximizer	67	64	N/A	128
Linear Phase Equalizer Broadband	2682	2679	5363	5360
Linear Phase Equalizer Lowband	2050	2047	4098	4095
Linear Phase Multiband	44.1 kHz: 3531 48 kHz: 3843	44.1 kHz: 3528 48 kHz: 3840	88 kHz: 7059 96 kHz: 7683	88 kHz: 7056 96 kHz: 7680
Maserati ACG Acoustic Guitar Designer	N/A	64	N/A	128
Maserati B72 Bass Phattener	N/A	68	N/A	132
Maserati DRM Drum Slammer	N/A	1	N/A	1
Maserati GTi Guitar Toner	N/A	197	N/A	389
Maserati HMX Harmonics Generator	N/A	1	N/A	1
Maserati VX1 Vocal Enhancer	N/A	44.1 kHz: 408 48 kHz: 415	N/A	88.2 kHz: 560 96 kHz: 576
MaxxBass	3	0	3	0
MaxxVolume	67	64	131	128
MetaFlanger	3	0	3	0
MondoMod	3	0	3	0
Morphoder	1155	639	2307	1279
MV2	67	64	131	128
MV360°	67	64	131	128
PAZ Analyzer	3	0	3	0
PS22 Split / X-Split	7	N/A	7	N/A
PS22 Spread	5	N/A	5	N/A
Q10	3	0	3	0
Q-Clone	N/A	44.1 kHz: 344 48 kHz: 352	N/A	88.2 kHz: 432 96 kHz: 448
Renaissance Axx	67	64	131	128
Renaissance Bass	3	0	3	0
Renaissance Channel	68	65	132	129

Renaissance Compressor	67	64	131	128
Renaissance DeEsser	67	64	131	128
Renaissance Equalizer	3	0	3	0
Renaissance Reverb	3	0	3	0
Renaissance Vox	67	64	131	128
S1 Stereo Imager	3	0	3	0
SoundShifter	N/A	6946	N/A	13,858
SSL E-Channel	4	1	4	1
SSL G-Channel	4	1	4	1
SSL G-Equalizer	3	0	3	0
SSL G-Master Buss Compressor	3	0	3	0
SuperTap	3	0	3	0
TransX Multi	67	64	128	125
TransX Wide	67	64	131	128
TrueVerb	3	0	3	0
UltraPitch	N/A	8239	N/A	N/A
UM225 / UM226	47	44	99	96
V-Comp	3	0	3	0
V-EQ3	3	0	3	0
V-EQ4	3	0	3	0
Waves Tune	N/A	3072	N/A	6144
Waves Tune LT	N/A	3072	N/A	6144
X-Click	4099	2625	4099	2625
X-Crackle	4163	2625	4163	2625
X-Hum	3	0	3	0
X-Noise	8195	5120	8195	5120
Z-Noise	N/A	34,702	N/A	34,702
C360 Surround Compressor	67	64	131	128
IDR360 Surround Bit Re-Quantizer	3	0	3	0
L360 Surround Limiter	67	64	131	128
LFE360 Low Pass Filter	3	0	3	0
M360 Surround Manager	3	0	3	0
M360 Surround Mixdown	3	0	3	0
S360 Surround Imager	3	0	3	0
S360 Surround Panner	3	0	3	0
R360 Surround Reverb	3	0	3	0

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