

BPM TO DELAY TIME CONVERSION

Delay and echo effects can be particularly effective when matched to the tempo of your track, but it can be fiddly getting the timing just right. This chart makes it easy. Just:

1. Note the tempo of your track (look at the bpm display on your drum machine or sequencer).
2. Cross-reference the tempo with the length of delay you want (quarter, eighth, or sixteenth note etc.)
3. Program that into your delay unit or multi-effects box.
4. Er, that's it.

Hint: don't be afraid to try triplet delays for more interesting rhythmic effect, especially if the basic track has a straight 4/4 feel.

tempo bpm	1/4-note	1/8-note	1/16-note	1/4 triplets	1/8 triplets	1/16 triplets
Delay time (ms)						
10	6000	3000	1500	4000	2000	1000
20	3000	1500	750	2000	1000	500
30	2000	1000	500	1333	667	333
40	1500	750	375	1000	500	250
50	1200	600	300	800	400	200
60	1000	500	250	667	333	167
70	857	429	214	571	286	143
80	750	375	188	500	250	125
90	667	333	167	444	222	111
100	600	300	150	400	200	100
110	545	273	136	364	182	91
120	500	250	125	333	167	83
130	462	231	115	308	154	77
140	429	214	107	286	143	71
150	400	200	100	267	133	67
160	375	188	94	250	125	63
170	353	176	89	235	118	59
180	333	167	83	222	111	56
200	300	150	75	200	100	50