

EA-1 - Electribe A Analog Modeling Synth FAQs

What MIDI messages do the knobs transmit?

What controller messages are sent using the knobs and buttons from the EA-1 and ER-1?

ElecTribe EA-1/ER-1(and mkII) Knob/Switch Control Messages**EA – 1(mkII)**

Values given in the following chart are the identical for both Part 1 and 2. This is a result of parts 1 and 2 having their own separate MIDI channels, which allows a separate data stream for each.

Knob/ Button	CC#99/98 - Part 1	CC#99/98 - Part 2	CC# 6 Value - Range
Portamento	3/0	3/32	0-127
OSC 1 Button	3/3	3/35	0 = Triangle, 1 = Square, 2 = Saw, 3 = Audio In
OSC Balance	3/1	3/33	0-127
OSC 2 Button	3/4	3/36	0 = Triangle, 1 = Square, 2 = Saw
OSC2 Pitch Ofs	3/2	3/34	0-127
OSC Mod	3/5	3/37	0 = Ring, 1 = Sync, 2 = Deci
Cutoff	3/8	3/48	0-127
Resonance	3/9	3/41	0-127
EG Int	3/10	3/42	0-127
Decay	3/11	3/43	0-127
Distortion Button	3/6	3/38	0 = off, 127 = on
Level	3/7	3/39	0-127
Depth (Tempo Dly.)	3/12	3/44	0-127
Time (Tempo Dly.)	3/13	3/45	0-127
Depth (Chor/Flng.)	3/14	3/46	0-127
Time (Chor/Flng.)	3/15	3/47	0-127

ER – 1(mkII)

Each part of the ER-1 has its own set of controller values. This is because the ER-1 has all parts on the same MIDI channel. This keeps movements of similar knobs on different parts separate. Since Ring Mod, Motion Sequence and Tempo Delay Depths and Times are not track specific, they are implemented once.

Percussion Synthesizer Section

Knob/Button	CC#99/98 - Part 1	CC#99/98 - Part 2	CC#99/98 - Part 3	CC#99/98 - Part 4	CC# 6 Value/Range
Pitch	2/2	2/12	2/22	2/32	0-127
Mod Depth	2/6	2/16	2/26	2/36	0-127
Mod Speed	2/5	2/15	2/25	2/35	0-127
Mod Type	2/4	2/14	2/24	2/34	0-127
Wave Button	2/3	2/13	2/23	2/33	0 = Sine, 127 = Saw

Decay	2/8	2/18	2/28	2/38	0-127
Level	2/7	2/17	2/27	2/37	0-127
Pan	2/1	2/11	2/21	2/31	0-127
Low Boost	2/0	2/10	2/20	2/30	0-127

Audio Input Section

Knob/Button	CC#99/98 - Audio In 1	CC#99/98 - Audio In 2	CC# 6 Value/Range
Decay	2/88	2/98	0-127
Level	2/87	2/97	0-127
Pan	2/81	2/91	0-127
Low Boost	2/80	2/90	0-127

Sample Section

Knob/Button	CC#99/98 - Closed Hi-Hat	CC#99/98 - Open Hi-Hat	CC#99/98 - Crash	CC#99/98 - Clap	CC# 6 Value/Range
Pitch	2/42	2/52	2/62	2/72	0-127
Decay	2/48	2/58	2/68	2/78	0-127
Level	2/47	2/57	2/67	2/77	0-127
Pan	2/41	2/51	2/61	2/71	0-127
Low Boost	2/40	2/50	2/60	2/70	0-127

Accent

Knob/Button	CC#99/98 Values	CC# 6 Value/Range
Level	2/106	0-127

Global Parameters

Knob/Button	CC#99/98 Values	CC# 6 Value/Range
Depth	2/100	0-127
Time	2/101	0-127
Ring Mod 1	2/102	0 = off 127 = on
Ring Mod 2	2/103	0 = off 127 = on



ElecTribe EA-1/ER-1 Knob/Switch Control Messages

The ElecTribe uses controllers 99 and 98 in different values for each knob or switch.

EA - 1

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Knob/ Button	CC# 99/98 Value	CC# 6 Value - Range
Portamento	3/0	0-127
OSC 1 Button	3/3	1 = Triangle, 2 = Square 3, = Saw, 4 = Audio In
OSC Balance	3/1	0-127
OSC 2 Button	3/4	1 = Triangle, 2 = Square, 3 = Saw
OSC2 Pitch Ofs	3/2	0-127
OSC Mod	3/5	1 = Ring, 2 = Sync, 3 = Deci
Cutoff	3/8	0-127
Resonance	3/9	0-127
EG Int	3/10	0-127
Decay	3/11	0-127
Distortion Button	3/6	0 = off, 127 = on
Level	3/7	0-127
Depth (Tempo Dly.)	3/12	0-127
Time (Tempo Dly.)	3/13	0-127
Depth (Chor/Flng.)	3/14	0-127
Time (Chor/Flng.)	3/15	0-127

ER - 1

Each part of the ER-1 has its own set of controller values. This is because the ER-1 has all parts on the same MIDI channel. This keeps movements of similar knobs on different parts separate. Since Ring Mod, Motion Sequence and Tempo Delay Depths and Times are not track specific, they are implemented once.

Percussion Synthesizer Section

Knob/Button	CC#99/98 - Part 1	CC#99/98 - Part 2	CC#99/98 - Part 3	CC#99/98 - Part 4	CC# 6 Value/Range
Pitch	2/2	2/12	2/22	2/32	0-127
Mod Depth	2/6	2/16	2/26	2/36	0-127
Mod Speed	2/5	2/15	2/25	2/35	0-127
Mod Type	2/4	2/14	2/24	2/34	0-127
Wave Button	2/3	2/13	2/23	2/33	0 = Sine, 127 = Saw
Decay	2/8	2/18	2/28	2/38	0-127
Level	2/7	2/17	2/27	2/37	0-127
Pan	2/1	2/11	2/21	2/31	0-127
Low Boost	2/0	2/10	2/20	2/30	0-127

Audio Input Section

Knob/Button	CC#99/98 - Audio In 1	CC#99/98 - Audio In 2	CC# 6 Value/Range
Decay	2/88	2/98	0-127
Level	2/87	2/97	0-127
Pan	2/81	2/91	0-127
Low Boost	2/80	2/90	0-127

Sample Section

Knob/Button	CC#99/98 - Closed Hi-Hat	CC#99/98 - Open Hi-Hat	CC#99/98 - Crash	CC#99/98 - Clap	CC# 6 Value/Range
Pitch	2/42	2/52	2/62	2/72	0-127
Decay	2/48	2/58	2/68	2/78	0-127
Level	2/47	2/57	2/67	2/77	0-127
Pan	2/41	2/51	2/61	2/71	0-127
Low Boost	2/40	2/50	2/60	2/70	0-127

Accent

Knob/Button	CC#99/98 Values	CC# 6 Value/Range
Level	2/106	0-127

Global Parameters

Knob/Button	CC#99/98 Values	CC# 6 Value/Range
Depth	2/100	0-127
Time	2/101	0-127
Ring Mod 1	2/102	0 = off 127 = on
Ring Mod 2	2/103	0 = off 127 = on

