



Reason
ESSENTIALS

MIDI IMPLEMENTATION CHART

Reason Essentials 2 MIDI Controller Chart

| MIDI Contr. # | MIDI Controller Name | Mixer Master Section | Mixer Channel Strip | Combinator | Mixer 14:2 | Line Mixer 6:2 |
|---------------|--|----------------------------|------------------------------|------------|--------------------------|--------------------|
| 0 | ControlBankSelect | | | | | |
| 1 | ControlModulationWheel | | | Mod Wheel | | |
| 2 | ControlBreathController | | | | | |
| 3 | ControlUndefined3 | | | | | |
| 4 | ControlFootController | | | | | |
| 5 | ControlPortamentoTime | | | | | |
| 6 | ControlDataEntryMSB | | | | | |
| 7 | ControlChannelVolume | Master Level | Level (Fader) | | Master Level | Master Level |
| 8 | ControlBalance | | Width | | Channel 1 Level | Channel 1 Level |
| 9 | ControlUndefined9 | Bypass (Insert FX) | | Enabled | Channel 2 Level | Channel 2 Level |
| 10 | ControlPan | | Pan (Fader) | | Channel 3 Level | Channel 3 Level |
| 11 | ControlExpressionController | | | | | |
| 12 | ControlEffectControl1 | Threshold (Compressor) | Mute | | Channel 4 Level | Channel 4 Level |
| 13 | ControlEffectControl2 | Attack (Compressor) | Solo | | Channel 5 Level | Channel 5 Level |
| 14 | ControlUndefined14 | Release (Compressor) | FX1 Send On (Send FX) | | Channel 6 Level | Channel 6 Level |
| 15 | ControlUndefined15 | Key (Compressor) | FX1 Send Level (Send FX) | | Channel 7 Level | |
| 16 | ControlGeneralPurpose1 | Ratio (Compressor) | FX1 Pre Fader (Send FX) | | Channel 8 Level | |
| 17 | ControlGeneralPurpose2 | On (Compressor) | FX2 Send On (Send FX) | | Channel 9 Level | |
| 18 | ControlGeneralPurpose3 | Make-Up Gain (Compressor) | FX2 Send Level (Send FX) | | Channel 10 Level | |
| 19 | ControlGeneralPurpose4 | | FX2 Pre Fader (Send FX) | | Channel 11 Level | |
| 20 | ControlUndefined20 | | FX3 Send On (Send FX) | | Channel 12 Level | |
| 21 | ControlUndefined21 | | FX3 Send Level (Send FX) | | Channel 13 Level | |
| 22 | ControlUndefined22 | | FX3 Pre Fader (Send FX) | | Channel 14 Level | |
| 23 | ControlUndefined23 | FX1 Pan (Send FX) | FX4 Send On (Send FX) | | Channel 1 Pan | Channel 1 Pan |
| 24 | ControlUndefined24 | FX2 Pan (Send FX) | FX4 Send Level (Send FX) | | Channel 2 Pan | Channel 2 Pan |
| 25 | ControlUndefined25 | FX3 Pan (Send FX) | FX4 Pre Fader (Send FX) | | Channel 3 Pan | Channel 3 Pan |
| 26 | ControlUndefined26 | FX4 Pan (Send FX) | | | Channel 4 Pan | Channel 4 Pan |
| 27 | ControlUndefined27 | | | | Channel 5 Pan | Channel 5 Pan |
| 28 | ControlUndefined28 | | | | Channel 6 Pan | Channel 6 Pan |
| 29 | ControlUndefined29 | | | | Channel 7 Pan | |
| 30 | ControlUndefined30 | | | | Channel 8 Pan | |
| 31 | ControlUndefined31 | | | | Channel 9 Pan | |
| 32 | ControlSB0 (Bank select) | | | | | |
| 33 | ControlSB1 (ModWheel) | | | | Channel 10 Pan | |
| 34 | ControlSB2 (Breath) | | | | Channel 11 Pan | |
| 35 | ControlSB3 (Undefined) | | | | Channel 12 Pan | |
| 36 | ControlSB4 (Foot controller) | | | | Channel 13 Pan | |
| 37 | ControlSB5 (Portamento time) | | | | Channel 14 Pan | |
| 38 | ControlSB6 (DataEntry LSB) | | | | | |
| 39 | ControlSB7 (Channel Volume) | | | | Channel 1 Aux 1 Send | Channel 1 Aux Send |
| 40 | ControlSB8 (Balance) | | | | Channel 2 Aux 1 Send | Channel 2 Aux Send |
| 41 | ControlSB9 (Undefined) | | | | Channel 3 Aux 1 Send | Channel 3 Aux Send |
| 42 | ControlSB10 (Pan) | | | | Channel 4 Aux 1 Send | Channel 4 Aux Send |
| 43 | ControlSB11 (Expression) | | | | Channel 5 Aux 1 Send | Channel 5 Aux Send |
| 44 | ControlSB12 (Effect control 1) | | | | Channel 6 Aux 1 Send | Channel 6 Aux Send |
| 45 | ControlSB13 (Effect control 2) | | | | Channel 7 Aux 1 Send | |
| 46 | ControlSB14 (Undefined) | | | | Channel 8 Aux 1 Send | |
| 47 | ControlSB15 (Undefined) | FX1 Return Level (Send FX) | | | Channel 9 Aux 1 Send | |
| 48 | ControlSB16 (General purpose 1) | FX2 Return Level (Send FX) | | | Channel 10 Aux 1 Send | |
| 49 | ControlSB17 (General purpose 2) | FX3 Return Level (Send FX) | | | Channel 11 Aux 1 Send | |
| 50 | ControlSB18 (General purpose 3) | FX4 Return Level (Send FX) | | | Channel 12 Aux 1 Send | |
| 51 | ControlSB19 (General purpose 4) | | | | Channel 13 Aux 1 Send | |
| 52 | ControlSB20 (Undefined) | | | | Channel 14 Aux 1 Send | |
| 53 | ControlSB21 (Undefined) | | | | Channel 1 Aux 2 Send | |
| 54 | ControlSB22 (Undefined) | | | | Channel 2 Aux 2 Send | |
| 55 | ControlSB23 (Undefined) | | | | Channel 3 Aux 2 Send | |
| 56 | ControlSB24 (Undefined) | | | | Channel 4 Aux 2 Send | |
| 57 | ControlSB25 (Undefined) | | | | Channel 5 Aux 2 Send | |
| 58 | ControlSB26 (Undefined) | | | | Channel 6 Aux 2 Send | |
| 59 | ControlSB27 (Undefined) | | | | Channel 7 Aux 2 Send | |
| 60 | ControlSB28 (Undefined) | | | | Channel 8 Aux 2 Send | |
| 61 | ControlSB29 (Undefined) | | | | Channel 9 Aux 2 Send | |
| 62 | ControlSB30 (Undefined) | | | | Channel 10 Aux 2 Send | |
| 63 | ControlSB31 (Undefined) | | | | Channel 11 Aux 2 Send | |
| 64 | ControlDamperPedal (Sustain) | | | | | |
| 65 | ControlPortamentoOnOff | | HF Bell (EQ) | | Channel 12 Aux 2 Send | |
| 66 | ControlSustain | | | | Channel 13 Aux 2 Send | |
| 67 | ControlSoftPedal | | | | Channel 14 Aux 2 Send | |
| 68 | ControlLegatoFootSwitch | | Bypass Insert FX (Insert FX) | | Channel 1 Bass Amount | |
| 69 | ControlHold2 | | | | Channel 2 Bass Amount | |
| 70 | ControlSoundController1 (Sound Variation) | | | | Channel 3 Bass Amount | |
| 71 | ControlSoundController2 (Harmonic Intensity) | Rotary 1 (Insert FX) | Rotary 1 (Insert FX) | Rotary 1 | Channel 4 Bass Amount | |
| 72 | ControlSoundController3 (Release time) | Rotary 2 (Insert FX) | Rotary 2 (Insert FX) | Rotary 2 | Channel 5 Bass Amount | |
| 73 | ControlSoundController4 (Attack time) | Rotary 3 (Insert FX) | Rotary 3 (Insert FX) | Rotary 3 | Channel 6 Bass Amount | |
| 74 | ControlSoundController5 (Brightness) | Rotary 4 (Insert FX) | Rotary 4 (Insert FX) | Rotary 4 | Channel 7 Bass Amount | |
| 75 | ControlSoundController6 | Button 1 (Insert FX) | Button 1 (Insert FX) | Button 1 | Channel 8 Bass Amount | |
| 76 | ControlSoundController7 | Button 2 (Insert FX) | Button 2 (Insert FX) | Button 2 | Channel 9 Bass Amount | |
| 77 | ControlSoundController8 | Button 3 (Insert FX) | Button 3 (Insert FX) | Button 3 | Channel 10 Bass Amount | |
| 78 | ControlSoundController9 | Button 4 (Insert FX) | Button 4 (Insert FX) | Button 4 | Channel 11 Bass Amount | |
| 79 | ControlSoundController10 | | | | Channel 12 Bass Amount | |
| 80 | ControlGeneralPurposeController5 | | EQ On (EQ) | | Channel 13 Bass Amount | |
| 81 | ControlGeneralPurposeController6 | | | | Channel 14 Bass Amount | |
| 82 | ControlGeneralPurposeController7 | | HF Gain (EQ) | | Channel 1 Treble Amount | |
| 83 | ControlGeneralPurposeController8 | | HF Frequency (EQ) | | Channel 2 Treble Amount | |
| 84 | ControlPortamentoControl | | | | Channel 3 Treble Amount | |
| 85 | ControlUndefined85 | | | | Channel 4 Treble Amount | |
| 86 | ControlUndefined86 | | | | Channel 5 Treble Amount | |
| 87 | ControlUndefined87 | | | | Channel 6 Treble Amount | |
| 88 | ControlUndefined88 | | | | Channel 7 Treble Amount | |
| 89 | ControlUndefined89 | | | | Channel 8 Treble Amount | |
| 90 | ControlUndefined90 | | | | Channel 9 Treble Amount | |
| 91 | ControlEffects1Depth | | LF Gain (EQ) | | Channel 10 Treble Amount | |
| 92 | ControlEffects2Depth | | LF Frequency (EQ) | | Channel 11 Treble Amount | |
| 93 | ControlEffects3Depth | | LF Bell (EQ) | | Channel 12 Treble Amount | |
| 94 | ControlEffects4Depth | | | | Channel 13 Treble Amount | |
| 95 | ControlEffects5Depth | | | | Channel 14 Treble Amount | |
| 96 | ControlDataIncrement | | | | | |
| 97 | ControlDataDecrement | | | | | |
| 98 | ControlNonRegisteredParameterNumberLSB | | | | | |
| 99 | ControlNonRegisteredParameterNumberMSB | | | | | |
| 100 | ControlRegisteredParameterNumberLSB | | | | | |
| 101 | ControlRegisteredParameterNumberMSB | | | | | |
| 102 | ControlUndefined102 | FX1 Mute (Send FX) | | | Channel 1 Aux 3 Send | |
| 103 | ControlUndefined103 | FX2 Mute (Send FX) | | | Channel 2 Aux 3 Send | |
| 104 | ControlUndefined104 | FX3 Mute (Send FX) | | | Channel 3 Aux 3 Send | |
| 105 | ControlUndefined105 | FX4 Mute (Send FX) | | | Channel 4 Aux 3 Send | |
| 106 | ControlUndefined106 | | | | Channel 5 Aux 3 Send | |
| 107 | ControlUndefined107 | | Gain (Input) | | Channel 6 Aux 3 Send | |
| 108 | ControlUndefined108 | | Invert Phase (Input) | | Channel 7 Aux 3 Send | |
| 109 | ControlUndefined109 | | | | Channel 8 Aux 3 Send | |
| 110 | ControlUndefined110 | | | | Channel 9 Aux 3 Send | |
| 111 | ControlUndefined111 | | | | Channel 10 Aux 3 Send | |
| 112 | ControlUndefined112 | | | | Channel 11 Aux 3 Send | |
| 113 | ControlUndefined113 | | | | Channel 12 Aux 3 Send | |
| 114 | ControlUndefined114 | | | | Channel 13 Aux 3 Send | |
| 115 | ControlUndefined115 | | | | Channel 14 Aux 3 Send | |
| 116 | ControlUndefined116 | | | | Aux 1 Return Level | Aux Return Level |
| 117 | ControlUndefined117 | | | | Aux 2 Return Level | |
| 118 | ControlUndefined118 | | | | Aux 3 Return Level | |
| 119 | ControlUndefined119 | | | | Aux 4 Return Level | |
| 120 | ControlReservedForChannelModeMessages120 | | | | | |
| 121 | ControlReservedForChannelModeMessages121 | | | | | |
| 122 | ControlReservedForChannelModeMessages122 | | | | | |
| 123 | ControlReservedForChannelModeMessages123 | | | | | |
| 124 | ControlReservedForChannelModeMessages124 | | | | | |
| 125 | ControlReservedForChannelModeMessages125 | | | | | |
| 126 | ControlReservedForChannelModeMessages126 | | | | | |
| 127 | ControlReservedForChannelModeMessages127 | | | | | |

Reason Essentials 2 MIDI Controller Chart

| MIDI Contr. # | MIDI Controller Name | ID# Instrument | MClass Equalizer | MClass Stereo Imager | MClass Compressor | MClass Maximizer |
|---------------|--|-------------------|------------------------|----------------------|-------------------|-------------------------|
| 0 | ControlBankSelect | | | | | |
| 1 | ControlModulationWheel | Mod Wheel | | | | |
| 2 | ControlBreathController | | | | | |
| 3 | ControlUndefined3 | | | | | |
| 4 | ControlFootController | | | | | |
| 5 | ControlPortamentoTime | | | | | |
| 6 | ControlDataEntryMSB | | | | | |
| 7 | ControlChannelVolume | Volume | | | Output Gain | Output Gain |
| 8 | ControlBalance | | | Solo Mode | Sidechain Solo | |
| 9 | ControlUndefined9 | | Enabled | Enabled | Enabled | Enabled |
| 10 | ControlPan | | | | | |
| 11 | ControlExpressionController | | | | | |
| 12 | ControlEffectControl1 | | Parametric 1 Gain | Low Width | Threshold | Soft Clip Amount |
| 13 | ControlEffectControl2 | | Parametric 2 Gain | High Width | Attack | Attack Speed |
| 14 | ControlUndefined14 | | Low Shelf Gain | | Release | Release Speed |
| 15 | ControlUndefined15 | | Hi Shelf Gain | | Adapt | Look Ahead Enable |
| 16 | ControlGeneralPurpose1 | | Low Cut Enable | | Ratio | Limiter Enable |
| 17 | ControlGeneralPurpose2 | | Low Shelf Enable | | Soft Knee | Soft Clip Enable |
| 18 | ControlGeneralPurpose3 | | Parametric 1 Enable | | | Output Level Meter Mode |
| 19 | ControlGeneralPurpose4 | | Parametric 2 Enable | | Input Gain | Input Gain |
| 20 | ControlUndefined20 | | Hi Shelf Enable | | | |
| 21 | ControlUndefined21 | | | | | |
| 22 | ControlUndefined22 | | | | | |
| 23 | ControlUndefined23 | | | | | |
| 24 | ControlUndefined24 | | | | | |
| 25 | ControlUndefined25 | | | | | |
| 26 | ControlUndefined26 | | | | | |
| 27 | ControlUndefined27 | | | | | |
| 28 | ControlUndefined28 | | | | | |
| 29 | ControlUndefined29 | | | | | |
| 30 | ControlUndefined30 | | | | | |
| 31 | ControlUndefined31 | | | | | |
| 32 | ControlSB0 (Bank select) | | | | | |
| 33 | ControlSB1 (ModWheel) | | | | | |
| 34 | ControlSB2 (Breath) | | | | | |
| 35 | ControlSB3 (Undefined) | | | | | |
| 36 | ControlSB4 (Foot controller) | | | | | |
| 37 | ControlSB5 (Portamento time) | | | | | |
| 38 | ControlSB6 (DataEntry LSB) | | | | | |
| 39 | ControlSB7 (Channel Volume) | | | | | |
| 40 | ControlSB8 (Balance) | | | | | |
| 41 | ControlSB9 (Undefined) | | | | | |
| 42 | ControlSB10 (Pan) | | | | | |
| 43 | ControlSB11 (Expression) | | | | | |
| 44 | ControlSB12 (Effect control 1) | | | | | |
| 45 | ControlSB13 (Effect control 2) | | | | | |
| 46 | ControlSB14 (Undefined) | | | | | |
| 47 | ControlSB15 (Undefined) | | | | | |
| 48 | ControlSB16 (General purpose 1) | | | | | |
| 49 | ControlSB17 (General purpose 2) | | | | | |
| 50 | ControlSB18 (General purpose 3) | | | | | |
| 51 | ControlSB19 (General purpose 4) | | | | | |
| 52 | ControlSB20 (Undefined) | | | | | |
| 53 | ControlSB21 (Undefined) | | | | | |
| 54 | ControlSB22 (Undefined) | | | | | |
| 55 | ControlSB23 (Undefined) | | | | | |
| 56 | ControlSB24 (Undefined) | | | | | |
| 57 | ControlSB25 (Undefined) | | | | | |
| 58 | ControlSB26 (Undefined) | | | | | |
| 59 | ControlSB27 (Undefined) | | | | | |
| 60 | ControlSB28 (Undefined) | | | | | |
| 61 | ControlSB29 (Undefined) | | | | | |
| 62 | ControlSB30 (Undefined) | | | | | |
| 63 | ControlSB31 (Undefined) | | | | | |
| 64 | ControlDamperPedal (Sustain) | | | | | |
| 65 | ControlPortamentoOnOff | | | | | |
| 66 | ControlSostenuto | | | | | |
| 67 | ControlSoftPedal | | | | | |
| 68 | ControlLegatoFootSwitch | | | | | |
| 69 | ControlHold2 | | | | | |
| 70 | ControlSoundController1 (Sound Variation) | | | | | |
| 71 | ControlSoundController2 (Harmonic Intensity) | Parameter 1 Level | Parametric 1 Q | | | |
| 72 | ControlSoundController3 (Release time) | Parameter 2 Level | | | | |
| 73 | ControlSoundController4 (Attack time) | | | | | |
| 74 | ControlSoundController5 (Brightness) | | Parametric 1 Frequency | X-Over Frequency | | |
| 75 | ControlSoundController6 | | | | | |
| 76 | ControlSoundController7 | | | | | |
| 77 | ControlSoundController8 | | | | | |
| 78 | ControlSoundController9 | | Parametric 2 Q | | | |
| 79 | ControlSoundController10 | | Parametric 2 Frequency | | | |
| 80 | ControlGeneralPurposeController5 | | Low Shelf Q | | | |
| 81 | ControlGeneralPurposeController6 | | Low Shelf Frequency | | | |
| 82 | ControlGeneralPurposeController7 | | Hi Shelf Q | | | |
| 83 | ControlGeneralPurposeController8 | | Hi Shelf Frequency | | | |
| 84 | ControlPortamentoControl | | | | | |
| 85 | ControlUndefined85 | | | | | |
| 86 | ControlUndefined86 | | | | | |
| 87 | ControlUndefined87 | | | | | |
| 88 | ControlUndefined88 | | | | | |
| 89 | ControlUndefined89 | | | | | |
| 90 | ControlUndefined90 | | | | | |
| 91 | ControlEffects1Depth | | | | | |
| 92 | ControlEffects2Depth | | | | | |
| 93 | ControlEffects3Depth | | | | | |
| 94 | ControlEffects4Depth | | | | | |
| 95 | ControlEffects5Depth | | | | | |
| 96 | ControlDataIncrement | | | | | |
| 97 | ControlDataDecrement | | | | | |
| 98 | ControlNonRegisteredParameterNumberLSB | | | | | |
| 99 | ControlNonRegisteredParameterNumberMSB | | | | | |
| 100 | ControlRegisteredParameterNumberLSB | | | | | |
| 101 | ControlRegisteredParameterNumberMSB | | | | | |
| 102 | ControlUndefined102 | | | | | |
| 103 | ControlUndefined103 | | | | | |
| 104 | ControlUndefined104 | | | | | |
| 105 | ControlUndefined105 | | | | | |
| 106 | ControlUndefined106 | | | | | |
| 107 | ControlUndefined107 | | | | | |
| 108 | ControlUndefined108 | | | | | |
| 109 | ControlUndefined109 | | | | | |
| 110 | ControlUndefined110 | | | | | |
| 111 | ControlUndefined111 | | | | | |
| 112 | ControlUndefined112 | | | | | |
| 113 | ControlUndefined113 | | | | | |
| 114 | ControlUndefined114 | | | | | |
| 115 | ControlUndefined115 | | | | | |
| 116 | ControlUndefined116 | | | | | |
| 117 | ControlUndefined117 | | | | | |
| 118 | ControlUndefined118 | | | | | |
| 119 | ControlUndefined119 | | | | | |
| 120 | ControlReservedForChannelModeMessages120 | | | | | |
| 121 | ControlReservedForChannelModeMessages121 | | | | | |
| 122 | ControlReservedForChannelModeMessages122 | | | | | |
| 123 | ControlReservedForChannelModeMessages123 | | | | | |
| 124 | ControlReservedForChannelModeMessages124 | | | | | |
| 125 | ControlReservedForChannelModeMessages125 | | | | | |
| 126 | ControlReservedForChannelModeMessages126 | | | | | |
| 127 | ControlReservedForChannelModeMessages127 | | | | | |

Reason Essentials 2 MIDI Controller Chart

| MIDI Contr. # | MIDI Controller Name | Line6 Guitar Amp | Line6 Bass Amp | RV7000 Reverb | Scream 4 | DDL-1 Delay | CF-101 Chorus |
|---------------|--|------------------|----------------|----------------------------|----------------|-------------------|-------------------|
| 0 | ControlBankSelect | | | | | | |
| 1 | ControlModulationWheel | | | | | | |
| 2 | ControlBreathController | | | | | | |
| 3 | ControlUndefined3 | | | | | | |
| 4 | ControlFootController | | | | | | |
| 5 | ControlPortamentoTime | | | | | | |
| 6 | ControlDataEntryMSB | | | | | | |
| 7 | ControlChannelVolume | | | | Master Level | | |
| 8 | ControlBalance | | | | | | |
| 9 | ControlUndefined9 | Enabled | Enabled | Enabled | Enabled | Enabled | Enabled |
| 10 | ControlPan | | | | | | |
| 11 | ControlExpressionController | | | | | | |
| 12 | ControlEffectControl1 | | | Hi EQ | Damage Type | DelayTime (steps) | Delay |
| 13 | ControlEffectControl2 | Drive | Drive | HF Damp | Damage Control | Feedback | Feedback |
| 14 | ControlUndefined14 | Bass | Bass | Decay | Parameter 1 | Dry/Wet Balance | Rate |
| 15 | ControlUndefined15 | Middle | Low Mid | Dry/Wet | Parameter 2 | Unit | Modulation Amount |
| 16 | ControlGeneralPurpose1 | Treble | Hi Mid | SmallSpace Size | Damage On/Off | Step Length | |
| 17 | ControlGeneralPurpose2 | Volume | Volume | SmallSpace Mod Rate | Cut On/Off | | |
| 18 | ControlGeneralPurpose3 | | | SmallSpace Room Shape | Cut Lo | | |
| 19 | ControlGeneralPurpose4 | | | SmallSpace LF Damp | Cut Mid | | |
| 20 | ControlUndefined20 | | | SmallSpace Wall Freq | Cut Hi | | |
| 21 | ControlUndefined21 | Presence | Treble | SmallSpace Predelay | | | |
| 22 | ControlUndefined22 | Volume Pedal | | SmallSpace Mod Amount | | | |
| 23 | ControlUndefined23 | Wah Pedal amount | Comp Threshold | Room Size | | | |
| 24 | ControlUndefined24 | | | Room Diffusion | | | |
| 25 | ControlUndefined25 | | | Room Shape | | | |
| 26 | ControlUndefined26 | | | Room ER -> Late Delay | | | |
| 27 | ControlUndefined27 | | | Room ER Level | | | |
| 28 | ControlUndefined28 | | | Room Predelay | | | |
| 29 | ControlUndefined29 | | | Room Mod Amount | | | |
| 30 | ControlUndefined30 | | | Hall Size | | | LFO Sync Enable |
| 31 | ControlUndefined31 | | | Hall Diffusion | | | |
| 32 | ControlLSB0 (Bank select) | | | | | | |
| 33 | ControlLSB1 (ModWheel) | | | Hall Room Shape | | | |
| 34 | ControlLSB2 (Breath) | | | Hall ER -> Late Delay | | | |
| 35 | ControlLSB3 (Undefined) | | | Hall ER Level | | | |
| 36 | ControlLSB4 (Foot controller) | | | Hall Predelay | | | |
| 37 | ControlLSB5 (Portamento time) | | | Hall Mod Amount | | | |
| 38 | ControlLSB6 (DataEntry LSB) | | | | | | |
| 39 | ControlLSB7 (Channel Volume) | | | Arena Size | | | |
| 40 | ControlLSB8 (Balance) | | | Arena Diffusion | | | |
| 41 | ControlLSB9 (Undefined) | | | Arena Mono Delay | | | |
| 42 | ControlLSB10 (Pan) | | | Arena Mono Level | | | |
| 43 | ControlLSB11 (Expression) | | | Arena Left Delay | | | |
| 44 | ControlLSB12 (Effect control 1) | | | Arena Right Delay | | | |
| 45 | ControlLSB13 (Effect control 2) | | | Arena Stereo Level | | | |
| 46 | ControlLSB14 (Undefined) | | | | | | |
| 47 | ControlLSB15 (Undefined) | | | Plate LF Damp | | | |
| 48 | ControlLSB16 (General purpose 1) | | | Plate Predelay | | | |
| 49 | ControlLSB17 (General purpose 2) | | | Spring Length | | | |
| 50 | ControlLSB18 (General purpose 3) | | | Spring Diffusion | | | |
| 51 | ControlLSB19 (General purpose 4) | | | Spring Dispersion Freq | | | |
| 52 | ControlLSB20 (Undefined) | | | Spring LF Damp | | | |
| 53 | ControlLSB21 (Undefined) | | | Spring Stereo Enable | | | |
| 54 | ControlLSB22 (Undefined) | | | Spring Predelay | | | |
| 55 | ControlLSB23 (Undefined) | | | Spring Dispersion Amount | | | |
| 56 | ControlLSB24 (Undefined) | | | | | | |
| 57 | ControlLSB25 (Undefined) | | | Echo Tempo Sync | | | |
| 58 | ControlLSB26 (Undefined) | | | Echo Time | | | |
| 59 | ControlLSB27 (Undefined) | | | Echo Time Steps | | | |
| 60 | ControlLSB28 (Undefined) | | | Echo Diffusion | | | |
| 61 | ControlLSB29 (Undefined) | | | Echo LF Damp | | | |
| 62 | ControlLSB30 (Undefined) | | | Echo Spread | | | |
| 63 | ControlLSB31 (Undefined) | | | Echo Predelay | | | |
| 64 | ControlDampPedal (Sustain) | | | | | | |
| 65 | ControlPortamentoOnOff | | | MultiTap Tempo Sync | | | |
| 66 | ControlSustainPedal | | | MultiTap Repeat Time | | | |
| 67 | ControlSoftPedal | | | MultiTap Repeat Time Steps | | | |
| 68 | ControlLegatoFootSwitch | | | MultiTap Diffusion | | | |
| 69 | ControlHold2 | | | MultiTap LF Damp | | | |
| 70 | ControlSoundController1 (Sound Variation) | Wah Pedal On | Compressor On | MultiTap 1 Delay | Body On/Off | | |
| 71 | ControlSoundController2 (Harmonic Intensity) | | | MultiTap 1 Delay Steps | Body Resonance | | |
| 72 | ControlSoundController3 (Release time) | | | MultiTap 2 Delay | | | |
| 73 | ControlSoundController4 (Attack time) | | | MultiTap 2 Delay Steps | | | |
| 74 | ControlSoundController5 (Brightness) | | | MultiTap 3 Delay | Body Scale | | |
| 75 | ControlSoundController6 | | | MultiTap 3 Delay Steps | | | |
| 76 | ControlSoundController7 | | | MultiTap 4 Delay | | | |
| 77 | ControlSoundController8 | | | MultiTap 4 Delay Steps | | | |
| 78 | ControlSoundController9 | | | MultiTap 1 Level | Body Auto | | |
| 79 | ControlSoundController10 | | | MultiTap 2 Level | Body Type | | |
| 80 | ControlGeneralPurposeController5 | | | MultiTap 3 Level | | | |
| 81 | ControlGeneralPurposeController6 | | | MultiTap 4 Level | | | |
| 82 | ControlGeneralPurposeController7 | | | MultiTap 1 Pan | | | |
| 83 | ControlGeneralPurposeController8 | | | MultiTap 2 Pan | | | |
| 84 | ControlPortamentoControl | | | MultiTap 3 Pan | | | |
| 85 | ControlUndefined85 | | | MultiTap 4 Pan | | | |
| 86 | ControlUndefined86 | | | Reverse Tempo Sync | | | |
| 87 | ControlUndefined87 | | | Reverse Length | | | |
| 88 | ControlUndefined88 | | | Reverse Length Steps | | | |
| 89 | ControlUndefined89 | | | Reverse Rev Dry/Wet | | | |
| 90 | ControlUndefined90 | | | Reverse Density | | | |
| 91 | ControlEffects1Depth | | | Algorithm Select | | | |
| 92 | ControlEffects2Depth | | | | | | |
| 93 | ControlEffects3Depth | | | | | | |
| 94 | ControlEffects4Depth | | | Gate On/Off | | | |
| 95 | ControlEffects5Depth | | | EQ On/Off | | | |
| 96 | ControlDataIncrement | | | | | | |
| 97 | ControlDataDecrement | | | | | | |
| 98 | ControlNonRegisteredParameterNumberLSB | | | | | | |
| 99 | ControlNonRegisteredParameterNumberMSB | | | | | | |
| 100 | ControlRegisteredParameterNumberLSB | | | | | | |
| 101 | ControlRegisteredParameterNumberMSB | | | | | | |
| 102 | ControlUndefined102 | | | Gate Threshold | | | |
| 103 | ControlUndefined103 | | | Gate Decay Mod | | | |
| 104 | ControlUndefined104 | | | Gate Trig Source | | | |
| 105 | ControlUndefined105 | | | Gate High Pass | | | |
| 106 | ControlUndefined106 | | | Gate Attack | | | |
| 107 | ControlUndefined107 | | | Gate Hold | | | |
| 108 | ControlUndefined108 | | | Gate Release | | | |
| 109 | ControlUndefined109 | | | EQ Low Gain | | | |
| 110 | ControlUndefined110 | | | EQ Low Freq | | | |
| 111 | ControlUndefined111 | | | EQ Param Gain | | | |
| 112 | ControlUndefined112 | | | EQ Param Freq | | | |
| 113 | ControlUndefined113 | | | EQ Param Q | | | |
| 114 | ControlUndefined114 | | | | | | |
| 115 | ControlUndefined115 | | | | | | |
| 116 | ControlUndefined116 | | | | | | |
| 117 | ControlUndefined117 | | | | | | |
| 118 | ControlUndefined118 | | | | | | |
| 119 | ControlUndefined119 | | | | | | |
| 120 | ControlReservedForChannelModeMessages120 | | | | | | |
| 121 | ControlReservedForChannelModeMessages121 | | | | | | |
| 122 | ControlReservedForChannelModeMessages122 | | | | | | |
| 123 | ControlReservedForChannelModeMessages123 | | | | | | |
| 124 | ControlReservedForChannelModeMessages124 | | | | | | |
| 125 | ControlReservedForChannelModeMessages125 | | | | | | |
| 126 | ControlReservedForChannelModeMessages126 | | | | | | |
| 127 | ControlReservedForChannelModeMessages127 | | | | | | |

Reason Essentials 2 MIDI Controller Chart

| MIDI Contr. # | MIDI Controller Name | Subtractor | NN-XT | Dr. Octo Rex | Redrum | Matrix |
|---------------|--|------------------------------|-----------------|-------------------------------|----------------------------|----------------|
| 0 | ControlBankSelect | | | | | |
| 1 | ControlModulationWheel | Mod Wheel | Mod Wheel | Mod Wheel | | |
| 2 | ControlBreathController | | Mod Wheel 2* | | | |
| 3 | ControlUndefined3 | | | | Pattern Select | Pattern Select |
| 4 | ControlFootController | | | | | |
| 5 | ControlPortamentoTime | Portamento | | | Flam Amount | |
| 6 | ControlDataEntryMSB | | | | | |
| 7 | ControlChannelVolume | Master Level | Master Volume | Master Level | Master Level | |
| 8 | ControlBalance | | | | Drum 1 Level | |
| 9 | ControlUndefined9 | Amp Env Decay | Amp Env Decay | Amp Env Decay | Drum 2 Level | Pattern Enable |
| 10 | ControlPan | | | | Drum 3 Level | |
| 11 | ControlExpressionController | | Mod Wheel 2** | | | |
| 12 | ControlEffectControl1 | Amp Env Sustain | | Amp Env Sustain | Drum 4 Level | |
| 13 | ControlEffectControl2 | | | | Drum 5 Level | |
| 14 | ControlUndefined14 | Filter Env Attack | | Filter Env Attack | Drum 6 Level | |
| 15 | ControlUndefined15 | Filter Env Decay | Mod Env Decay | Filter Env Decay | Drum 7 Level | |
| 16 | ControlGeneralPurpose1 | Filter Env Sustain | | Filter Env Sustain | Drum 8 Level | |
| 17 | ControlGeneralPurpose2 | Filter Env Release | | Filter Env Release | Drum 9 Level | |
| 18 | ControlGeneralPurpose3 | Filter Env Amount | | Filter Env Amount | Drum 10 Level | |
| 19 | ControlGeneralPurpose4 | Filter Env Invert | | | Drum 1 Pan | |
| 20 | ControlUndefined20 | Osc1 Wave | | | Drum 2 Pan | |
| 21 | ControlUndefined21 | Osc1 Octave | | Osc Octave | Drum 3 Pan | |
| 22 | ControlUndefined22 | Osc1 Semitone | | Transpose | Drum 4 Pan | |
| 23 | ControlUndefined23 | Osc1 Fine Tune | | Osc Fine Tune | Drum 5 Pan | |
| 24 | ControlUndefined24 | | | Osc Env Amount | Drum 6 Pan | |
| 25 | ControlUndefined25 | Osc1 Kbd Track | | | Drum 7 Pan | |
| 26 | ControlUndefined26 | LFO1 Rate | | LFO1 Rate | Drum 8 Pan | |
| 27 | ControlUndefined27 | LFO1 Amount | | LFO1 Amount | Drum 9 Pan | |
| 28 | ControlUndefined28 | LFO1 Wave | | LFO1 Wave | Drum 10 Pan | |
| 29 | ControlUndefined29 | LFO1 Dest | | LFO1 Dest | Drum 1 Send 1 Amount | |
| 30 | ControlUndefined30 | LFO Sync Enable | | LFO Sync Enable | Drum 2 Send 1 Amount | |
| 31 | ControlUndefined31 | | | | Drum 3 Send 1 Amount | |
| 32 | ControlLSB0 (Bank select) | | | | | |
| 33 | ControlLSB1 (ModWheel) | Filter Freq Mod Wheel Amount | | Filter Freq Mod Wheel Amount | Drum 4 Send 1 Amount | |
| 34 | ControlLSB2 (Wheel) | Filter Res Mod Wheel Amount | | Filter Res Mod Wheel Amount | Drum 5 Send 1 Amount | |
| 35 | ControlLSB3 (Undefined) | LFO1 Mod Wheel Amount | | Filter Decay Mod Wheel Amount | Drum 6 Send 1 Amount | |
| 36 | ControlLSB4 (Foot controller) | FM Mod Wheel Amount | | Amp Vel Amount | Drum 7 Send 1 Amount | |
| 37 | ControlLSB5 (Portamento time) | Phase Diff Mod Wheel Amount | | | Drum 8 Send 1 Amount | |
| 38 | ControlLSB6 (DataEntry LSB) | | | | | |
| 39 | ControlLSB7 (Channel Volume) | Pitch Bend Range | | Pitch Bend Range | Drum 9 Send 1 Amount | |
| 40 | ControlLSB8 (Balance) | Filter Freq Ext Mod | | | Drum 10 Send 1 Amount | |
| 41 | ControlLSB9 (Undefined) | LFO1 Ext Mod | | Loop Level 1 | Drum 1 Send 2 Amount | |
| 42 | ControlLSB10 (Pan) | Amp Ext Mod | | Loop Level 2 | Drum 2 Send 2 Amount | |
| 43 | ControlLSB11 (Expression) | Ext Mod Select | | Loop Level 3 | Drum 3 Send 2 Amount | |
| 44 | ControlLSB12 (Effect control 1) | FM Ext Mod | | Loop Level 4 | Drum 4 Send 2 Amount | |
| 45 | ControlLSB13 (Effect control 2) | Amp Vel Amount | | Loop Level 5 | Drum 5 Send 2 Amount | |
| 46 | ControlLSB14 (Undefined) | Filter Env Vel Amount | | Filter Env Vel Amount | Drum 6 Send 2 Amount | |
| 47 | ControlLSB15 (Undefined) | Filter Decay Vel Amount | | Filter Decay Vel Amount | Drum 7 Send 2 Amount | |
| 48 | ControlLSB16 (General purpose 1) | Amp Attack Vel Attack | | Loop Level 6 | Drum 8 Send 2 Amount | |
| 49 | ControlLSB17 (General purpose 2) | FM Vel Amount | | Loop Level 7 | Drum 9 Send 2 Amount | |
| 50 | ControlLSB18 (General purpose 3) | Mod Env Vel Amount | | Loop Level 8 | Drum 10 Send 2 Amount | |
| 51 | ControlLSB19 (General purpose 4) | Phase Vel Amount | | Loop 1 Transpose | Drum 1 Pitch | |
| 52 | ControlLSB20 (Undefined) | Filter2 Freq Vel Amount | | Loop 2 Transpose | Drum 2 Pitch | |
| 53 | ControlLSB21 (Undefined) | Mix Vel Amount | | Loop 3 Transpose | Drum 3 Pitch | |
| 54 | ControlLSB22 (Undefined) | | | Loop 4 Transpose | Drum 4 Pitch | |
| 55 | ControlLSB23 (Undefined) | | | Loop 5 Transpose | Drum 5 Pitch | |
| 56 | ControlLSB24 (Undefined) | | | Loop 6 Transpose | Drum 6 Pitch | |
| 57 | ControlLSB25 (Undefined) | | | Loop 7 Transpose | Drum 7 Pitch | |
| 58 | ControlLSB26 (Undefined) | | | Loop 8 Transpose | Drum 8 Pitch | |
| 59 | ControlLSB27 (Undefined) | | | | Drum 9 Pitch | |
| 60 | ControlLSB28 (Undefined) | | | | Drum 10 Pitch | |
| 61 | ControlLSB29 (Undefined) | | | | Drum 1 Tone | |
| 62 | ControlLSB30 (Undefined) | | | | Drum 2 Tone | |
| 63 | ControlLSB31 (Undefined) | | | | Drum 10 Tone | |
| 64 | ControlDamperPedal (Sustain) | | | | | |
| 65 | ControlPortamentoOnOff | | | | Drum 6 Pitch Bend Amount | |
| 66 | ControlSostenuto | | | | Drum 7 Pitch Bend Amount | |
| 67 | ControlSoftPedal | | | | Drum 1 Vel to Level | |
| 68 | ControlLegalFootSwitch | Key Mode | | | Drum 2 Vel to Level | |
| 69 | ControlHold2 | | | | Drum 3 Vel to Level | |
| 70 | ControlSoundController1 (Sound Variation) | | | | Drum 4 Vel to Level | |
| 71 | ControlSoundController2 (Harmonic Intensity) | Filter Res | Filter Res | Filter Res | Drum 5 Vel to Level | |
| 72 | ControlSoundController3 (Release time) | Amp Env Release | Amp Env Release | Amp Env Release | Drum 6 Vel to Level | |
| 73 | ControlSoundController4 (Attack time) | Amp Env Attack | Amp Env Attack | Amp Env Attack | Drum 7 Vel to Level | |
| 74 | ControlSoundController5 (Brightness) | Filter Freq | Filter Freq | Filter Freq | Drum 8 Vel to Level | |
| 75 | ControlSoundController6 | Filter2 On/Off | | Filter On/Off | Drum 9 Vel to Level | |
| 76 | ControlSoundController7 | Filter Type | | Filter Mode | Drum 10 Vel to Level | |
| 77 | ControlSoundController8 | Filter Kbd Track | | | Drum 1 Length | |
| 78 | ControlSoundController9 | Filter2 Res | | | Drum 2 Length | |
| 79 | ControlSoundController10 | Filter2 Freq | | | Drum 3 Length | |
| 80 | ControlGeneralPurposeController5 | Filter Link Freq On/Off | | | Drum 4 Length | |
| 81 | ControlGeneralPurposeController6 | Noise On/Off | | | Drum 5 Length | |
| 82 | ControlGeneralPurposeController7 | Noise Level | | | Drum 6 Length | |
| 83 | ControlGeneralPurposeController8 | Noise Decay | | | Drum 7 Length | |
| 84 | ControlPortamentoControl | Noise Color | | | Drum 8 Length | |
| 85 | ControlUndefined85 | Mod Env Gain | | | Drum 9 Length | |
| 86 | ControlUndefined86 | Mod Env Invert | | | Drum 10 Length | |
| 87 | ControlUndefined87 | Mod Env Attack | | | Drum 3 Sample Start | |
| 88 | ControlUndefined88 | Mod Env Decay | | | Drum 4 Sample Start | |
| 89 | ControlUndefined89 | Mod Env Sustain | | | Drum 5 Sample Start | |
| 90 | ControlUndefined90 | Mod Env Release | | | Drum 6 Sample Start | |
| 91 | ControlEffects1Depth | Mod Env Dest | | | Drum 9 Sample Start | |
| 92 | ControlEffects2Depth | Osc1 Phase Mode | | | Pattern Enable | Enable |
| 93 | ControlEffects3Depth | Osc1 Phase Diff | | | | |
| 94 | ControlEffects4Depth | Osc2 On/Off | | | Drum 6 Vel to Pitch Bend | |
| 95 | ControlEffects5Depth | Osc2 Wave | | | Drum 7 Vel to Pitch Bend | |
| 96 | ControlDataIncrement | | | | | |
| 97 | ControlDataDecrement | | | | | |
| 98 | ControlNonRegisteredParameterNumberLSB | | | | | |
| 99 | ControlNonRegisteredParameterNumberMSB | | | | | |
| 100 | ControlRegisteredParameterNumberLSB | | | | | |
| 101 | ControlRegisteredParameterNumberMSB | | | | | |
| 102 | ControlUndefined102 | Osc2 Octave | | | Drum 6 Pitch Bend Rate | |
| 103 | ControlUndefined103 | Osc2 Semitone | | | Drum 7 Pitch Bend Rate | |
| 104 | ControlUndefined104 | Osc2 Fine Tune | | | Drum 1 Vel to Tone | |
| 105 | ControlUndefined105 | Osc2 Phase Mode | | | Drum 2 Vel to Tone | |
| 106 | ControlUndefined106 | Osc2 Phase Diff | | | Drum 10 Vel to Tone | |
| 107 | ControlUndefined107 | Osc Mix | | | Drum 3 Vel to Sample Start | |
| 108 | ControlUndefined108 | FM Amount | | | Drum 4 Vel to Sample Start | |
| 109 | ControlUndefined109 | Ring Mod | | | Drum 5 Vel to Sample Start | |
| 110 | ControlUndefined110 | LFO2 Rate | | | Drum 8 Vel to Sample Start | |
| 111 | ControlUndefined111 | LFO2 Amount | | | Drum 9 Vel to Sample Start | |
| 112 | ControlUndefined112 | LFO2 Delay | | | | |
| 113 | ControlUndefined113 | LFO2 Dest | | | | |
| 114 | ControlUndefined114 | LFO2 Kbd Track | | | | |
| 115 | ControlUndefined115 | Osc2 Kbd Track | | | | |
| 116 | ControlUndefined116 | | | | | |
| 117 | ControlUndefined117 | | | | | |
| 118 | ControlUndefined118 | | | | | |
| 119 | ControlUndefined119 | | | | | |
| 120 | ControlReservedForChannelModeMessages120 | | | | | |
| 121 | ControlReservedForChannelModeMessages121 | | | | | |
| 122 | ControlReservedForChannelModeMessages122 | | | | | |
| 123 | ControlReservedForChannelModeMessages123 | | | | | |
| 124 | ControlReservedForChannelModeMessages124 | | | | | |
| 125 | ControlReservedForChannelModeMessages125 | | | | | |
| 126 | ControlReservedForChannelModeMessages126 | | | | | |
| 127 | ControlReservedForChannelModeMessages127 | | | | | |

* Assuming source is set to Breath
 ** Assuming source is set to Expression

