

# MSC 32 Wave

## Appendix

The AdLib Wave Table Solution™  
Instrument Table in 8 Mega-Bit Sample Rom  
Using the AdLib™ AW-1000 and the  
AdLib GM-1000 Sample-Rom  
Include a total of 128 instruments  
and 80 drum sounds.

| PC General Midi         | PC General Midi        | PC General Midi       |
|-------------------------|------------------------|-----------------------|
| 1 (Grand) Piano 1       | 32 Guitar harmonics    | 64 Synth Brass 2      |
| 2 (Bright) Piano 2      | 33 Acoustic Bass       | 65 Soprano Sax        |
| 3 (El. Grd.) Piano      | 34 Elec. Bass (finger) | 66 Alto Sax           |
| 4 Honky-tonk Piano      | 35 Elec. Bass (pick)   | 67 Tenor Sax          |
| 5 Elec. Piano 1         | 36 Fretless Bass       | 68 Baritone Sax       |
| 6 Elec. Piano 2         | 37 Slap Bass 1         | 69 Oboe               |
| 7 Harpsichord           | 38 Slap Bass 2         | 70 English Horn       |
| 8 Clavi                 | 39 Synth Bass 1        | 71 Bassoon            |
| 9 Celesta               | 40 Synth Bass 2        | 72 Clarinet           |
| 10 Glockenspiel         | 41 ViolinViola         | 73 Piccolo            |
| 11 Music Box            | 43 Cello               | 74 Flute              |
| 12 Vibraphone           | 44 Contrabass          | 75 Recorder           |
| 13 Matimba              | 45 Tremelos Strings    | 76 Pan Flute          |
| 14 Xylophone            | 46 Pizzicato Strings   | 77 Blown Bottle       |
| 15 Tubular Bells        | 47 Orchestral Harp     | 78 Shakuhachi         |
| 16 Santur               | 48 Timpani             | 79 Whistle            |
| 17 Drawbar Organ        | 49 String Ensemble 1   | 80 Ocarina            |
| 18 Percussion Organ     | 50 String Ensemble 2   | 81 Lead 1 (square)    |
| 19 Rock Organ           | 51 Synth Strings 1     | 82 Lead 2 (sawtooth)  |
| 20 Church Organ         | 52 Synth Strings 2     | 83 Lead 3 (calliope)  |
| 21 Reed Organ           | 53 Choir Aahs          | 84 Lead 4 (chiff)     |
| 22 Accordion (french)   | 54 Voice Oohs          | 85 Lead 5 (charang)   |
| 23 Harmonica            | 55 Synth Voice         | 86 Lead 6 (voice)     |
| 24 Tango Accordion      | 56 Orchestra Hit       | 87 Lead 7 (fifths)    |
| 25 Ac. Guitar (nylon)   | 57 Trumpet             | 88 Lead 8 (bass+lead) |
| 26 Ac. Guitar (steel)   | 58 Trombone            | 89 Pad 1 (fantasia)   |
| 27 Elec. Guitar (jazz)  | 59 Tuba                | 90 Pad 2 (warm)       |
| 28 Elec. Guitar (clean) | 60 Muted Trumpet       | 91 Pad 3 (polysynth)  |
| 29 Elec. Guitar (muted) | 61 French Horn         | 92 Pad 4 (choir)      |
| 30 Overdriven Guitar    | 62 Brass Section       |                       |
| 31 Distortion Guitar    | 63 Synth Brass 1       |                       |

| PC General Midi       | PC General Midi | PC General Midi    |
|-----------------------|-----------------|--------------------|
| 93 Pad 5 (bowed)      | 106 Banjo       | 119 Synth Drum     |
| 94 Pad 6 (metallic)   | 107 Shamisen    | 120 Reverse Cymbal |
| 95 Pad 7 (halo)       | 108 Koto        | 120 Reverse Cymbal |
| 96 Pad 8 (sweep)      | 109 Kalimba     | 121 Gt. Fret Noise |
| 97 FX 1 (rain)        | 110 Bag pipe    | 122 Breath Noise   |
| 98 FX 2 (soundtrack)  | 111 Fiddle      | 123 Seashore       |
| 99 FX 3 (crystal)     | 112 Shanai      | 124 Bird Tweet     |
| 100 FX 4 (atmosphere) | 113 Tinkle Bell | 125 Teleph. Ring   |
| 101 FX 5 (brightness) | 114 Agogo       | 126 Helicopter     |
| 102 FX 6 (goblins)    | 115 Steel Drums | 127 Applause       |
| 103 FX 7 (echoes)     | 116 Woodblock   | 128 Gunshot        |
| 104 FX 8 (sci-fi)     | 117 Taiko Drum  |                    |
| 105 Sitar             | 118 Melodic Tom |                    |

### Sound Variations (all except chanel 10) - send CTRL 0, then PC

| PC  | CTRL 0 | INSTRUMENT NAME     |
|-----|--------|---------------------|
| 5   | 8      | Detuned EP 1        |
| 6   | 8      | Detuned EP 2        |
| 7   | 8      | Coupled Harpsichord |
| 15  | 8      | Church Bell         |
| 17  | 8      | Detuned Organ 1     |
| 18  | 8      | Detuned Organ 2     |
| 20  | 8      | Church Organ 2      |
| 22  | 8      | Italian Accordion   |
| 25  | 8      | Ukulele             |
| 26  | 8      | Mandolin            |
| 27  | 8      | Hawaian Guitar      |
| 28  | 8      | Chorus Guitar       |
| 29  | 8      | Funk Guitar         |
| 31  | 8      | Feedback Guitar     |
| 32  | 8      | Guitar Feedback     |
| 39  | 8      | Synth Bass 3        |
| 40  | 8      | Synth Brass 4       |
| 49  | 8      | Orchestra           |
| 51  | 8      | Synth Strings 3     |
| 62  | 8      | Brass 2             |
| 63  | 8      | Synth Brass 3       |
| 64  | 8      | Synth Brass 4       |
| 81  | 8      | Sine Wave           |
| 108 | 8      | Taisho Koto         |
| 116 | 8      | Castanets           |
| 117 | 8      | Concert Bass Drum   |
| 118 | 8      | Melo Tom 2          |
| 119 | 8      | 808 Tom             |

# SFX Variations (all channels exept 10)

| PRG #  | General MIDI   | CTRL=0 1         | CTRL=0 2     | CTRL=0 3  | CTRL=0 4   | CTRL=0 5     | CTRL=0 6 | CTRL=0 7    | CTRL=0 8 | CTRL=0 10   |
|--|----------------|------------------|--------------|-----------|------------|--------------|----------|-------------|----------|-------------|
| 121  | Gt. Fret Noise | Gt. Cut Noise    | String Slap  |           |            |              |          |             |          |             |
| 122  | Breth Noise    | Fl. Key Click    |              |           |            |              |          |             |          |             |
| 123  | Seashore       | Rain             | Thunder      | Wind      | Stream     | Bubble       |          |             |          |             |
| 124  | Bird           | Dog              | Horse        | Bird2     |            |              |          |             |          |             |
|  | Tweet          |                  | Gallop       |           |            |              |          |             |          |             |
| 125  | Teleph.        | Teleph.          | Door         | Scratch   | Windchi    |              |          |             |          |             |
|  | Ring           | Ring2            | Creaking     | Closing   | me         |              |          |             |          |             |
| 126  | Heli-copter    | Car Engine Start | Car Breaking | Car Pass  | Car Crash  | Police Siren | Train    | Jet Takeoff | Starship | Burst Noise |
| 127  | Applause       | Laughing         | Screaming    | Punch     | Heart Beat | Footstep     |          |             |          |             |
| 128  | Gunshot        | Machine          | Lasergun     | Explosion |            |              |          |             |          |             |
| <p>Note: To select a variation, first send variation number (Controler #0) then send program change number</p> |                |                  |              |           |            |              |          |             |          |             |

## DRUM SET TABLE (MIDI CHANNEL 10)

**Notes: Blank: Same sound as “Standard Set”  
(EXC): Sounds with same EXC number are mutually exclusive**

| Midi Note # | Program 1/33: Standard Set Jazz Set | Prog 9: Room Set | Prog 17: Power Set | Prog 25: Electr. Set | Prog 26: TR 808 Set | Prog 41: Brush Set | Prog 49: Orchestr. Set | Prog 57: SFX Set |
|-------------|-------------------------------------|------------------|--------------------|----------------------|---------------------|--------------------|------------------------|------------------|
| 27-D#1      | High Q                              |                  |                    |                      |                     |                    | Closed Hi Hat          |                  |
| 28-E1       | Slap                                |                  |                    |                      |                     |                    | Pedal Hi-Hat           |                  |
| 29-F1       | Scratch Push                        |                  |                    |                      |                     |                    | Open Hi Hat            |                  |
| 30-F#1      | Scratch Pull                        |                  |                    |                      |                     |                    | Ride Cymbal            |                  |
| 31-G1       | Sticks                              |                  |                    |                      |                     |                    |                        |                  |
| 32-G#1      | Square Click                        |                  |                    |                      |                     |                    |                        |                  |
| 33-A1       | Metronome Click                     |                  |                    |                      |                     |                    |                        |                  |
| 34-A1       | Metronome Bell                      |                  |                    |                      |                     |                    |                        |                  |
| 35-B1       | Kick drum 2                         |                  |                    |                      |                     |                    |                        |                  |
| 36-C2       | Kick drum 1                         |                  | Power Kick         |                      | 808 Bass Drum       |                    |                        |                  |
| 37-C#2      | Side Stick                          |                  |                    |                      | 808 Rim shot        |                    |                        |                  |
| 38-D2       | Snare Drum 1                        |                  | Gated Snare        |                      | 808 Snare Drum      | Brush Tap          | Concert SD             |                  |
| 39-D#2      | Hand Clap                           |                  |                    |                      |                     | Brush Slap         | Castanets              | High Q           |
| 40-E2       | Snare Drum 2                        |                  |                    | Gated Snare          |                     | Brush Swirl        | Concert SD             | Slap             |
| 41-F2       | Low Floor Tom                       | Room L. Tom 2    | Room L.Tom2        | Elec L. Tom 2        | 808 L. Tom 2        |                    | Timpani F              | Scratch Push     |
| 42-F#2      | Closed Hi Hat (ext1)                |                  |                    |                      |                     |                    | Timpani F #            | Scrach Pull      |
| 43-G2       | High Floor Tom                      | Room L. Tom 1    | Room L. Tom 1      |                      | 808 L. Tom 2        |                    | Timpani G              | Sticks           |
| 44-G#2      | Pedal Hi-Hat (ext1)                 |                  |                    |                      |                     |                    | Timpani G#             | Square Click     |
| 45-A2       | Low Tom                             | Room M.Tom 2     | Room M.Tom 2       | Elec M. Tom 2        | 808 M. Tom 2        |                    | Timpani A              | Metron. Click    |
| 46-A#2      | Open Hi-Hat (ext1)                  |                  |                    |                      |                     |                    | TimpaniA#              | Metron. Bell     |
| 47-B2       | Low-M. Tom                          | Room M.Tom 1     | Room M.Tom 1       | Elec M. Tom 1        | 808 Mi. Tom 1       |                    | Timpani B              | GutareSlide      |
| 48-C3       | Hi Mid Tom                          | Room M. Tom 2    | Room Hi Tom 2      | 808 Hi Tom 2         |                     |                    | Timpani c              | G. Cut(down)     |
| 49-C#3      | Crash Cymbal 1                      |                  |                    |                      |                     |                    | Timpani c#             | G. Cut (up)      |
| 50-D3       | High Tom                            | Room Hi Tom      | Room Hi Tom 1      | Elec Hi Tom 1        | 808 Hi Tom 1        |                    | Timpani d              | Doubl. B.Slap    |
| 51-D#3      | Ride Cymbal 1                       |                  |                    |                      |                     |                    | Timpani d#             | Key Click        |
| 52-E3       | Chinese Cymbal                      |                  |                    | Reverse Cymbal       |                     |                    | Timpani e              | Laughing         |
| 53-F3       | Ride Bell                           |                  |                    |                      |                     |                    | Timpani f              | Screaming        |
| 54-F#3      | Tambourine                          |                  |                    |                      |                     |                    |                        | Punch            |
| 55-G3       | Splash Cymba                        |                  |                    |                      |                     |                    |                        | Heart Beat!      |
| 56-G#3      | Cowbell                             |                  |                    |                      |                     |                    |                        | Footsteps1       |
| 57-A3       | Crash Cymbal 2                      |                  |                    |                      |                     |                    |                        | Footsteps2       |

# DRUM SET TABLE (MIDI CHANNEL 10)

**Notes:** Blank: Same sound as “Standard Set”  
**(EXC):** Sounds with same EXC number are mutually exclusive

| Midi Note # | Program 1/33: Standard Set Jazz Set | Prog 9: Room Set | Prog 17: Power Set | Prog 25: Electr. Set | Prog 26: TR 808 Set | Prog 41: Brush Set | Prog 49: Orchest. Set | Prog 57: SFX Set |
|-------------|-------------------------------------|------------------|--------------------|----------------------|---------------------|--------------------|-----------------------|------------------|
| 58-A#3      | Vibraslap                           |                  |                    |                      |                     |                    |                       | Applause         |
| 59-B3       | Ride Cymbal 2                       |                  |                    |                      |                     |                    |                       | Door Creak.      |
| 60-C4       | Hi Bongo                            |                  |                    |                      |                     |                    |                       | Door Close.      |
| 61-C#4      | Low Bongo                           |                  |                    |                      |                     |                    |                       | Scratch          |
| 62-D4       | Mute Hi Conga                       |                  |                    |                      | 808 High Conga      |                    |                       | Wind Chime       |
| 63-D#4      | Open Hi Conga                       |                  |                    |                      | 808 Mid Conga       |                    |                       | Car Start        |
| 64-E4       | Low Conga                           |                  |                    |                      | 808 Low Conga       |                    |                       | Car Breaking     |
| 65-F4       | High Timbale                        |                  |                    |                      |                     |                    |                       | Car Pass         |
| 66-F#4      | Low Timbale                         |                  |                    |                      |                     |                    |                       | Car Crash        |
| 67-G4       | High Agogo                          |                  |                    |                      |                     |                    |                       | Police Siren     |
| 68-G#4      | Low Agogo                           |                  |                    |                      |                     |                    |                       | Train            |
| 69-A4       | Cabasa                              |                  |                    |                      |                     |                    |                       | Jet take-off     |
| 70-A#4      | Maracas                             |                  |                    |                      |                     |                    |                       | Helicopter       |
| 71-B4       | Short Whistle(EXC2)                 |                  |                    |                      |                     |                    |                       | Starship         |
| 72-C5       | Long Whistle(EXC2)                  |                  |                    |                      |                     |                    |                       | Gun Shot         |
| 73-C#5      | Short Guiro(EXC3)                   |                  |                    |                      |                     |                    |                       | Machinegun       |
| 74-D5       | Long Guiro(EXC3)                    |                  |                    |                      |                     |                    |                       | Lasergun         |
| 75-D#5      | Claves                              |                  |                    |                      |                     |                    |                       | Explosion        |
| 76-E5       | Hi Wood Block                       |                  |                    |                      |                     |                    |                       | Dog              |
| 77-F5       | Low Wood Block                      |                  |                    |                      |                     |                    |                       | Horse Gallop     |
| 78-F#5      | Mute Cuica (EXC4)                   |                  |                    |                      |                     |                    |                       | Birds            |
| 79-G5       | Open Cuica (EXC4)                   |                  |                    |                      |                     |                    |                       | Rain             |
| 80-G#5      | Mute Triangle (EXC5)                |                  |                    |                      |                     |                    |                       | Thunder          |
| 81-A5       | Open Triangle (EXC5)                |                  |                    |                      |                     |                    |                       | Wind             |
| 82-A#5      | Shaker                              |                  |                    |                      |                     |                    |                       | Sea Shore        |
| 83-B5       | Jingle Bell                         |                  |                    |                      |                     |                    |                       | Stream           |
| 84-C6       | Belltire                            |                  |                    |                      |                     |                    |                       | Bubble           |
| 85-C#6      | Castanets                           |                  |                    |                      |                     |                    |                       |                  |
| 86-D6       | Mute Surdo (EXC6)                   |                  |                    |                      |                     |                    |                       |                  |
| 87-D#6      | Open Surdo (EXC6)                   |                  |                    |                      |                     |                    |                       |                  |
| 88-E6       | Applause                            |                  |                    |                      |                     |                    |                       |                  |

## MT 32 Percussion Map CM-64/MT-32 Set (MIDI Channel 10, Program # 128)

|        |                        |        |                 |         |                  |
|--------|------------------------|--------|-----------------|---------|------------------|
| 35-B1  | Bass Drum 2 (acoustic) | 60-C4  | Hi Bongo        | 85-C#6  | Scratch          |
| 36-C2  | Bass Drum 1 (Rock)     | 61-C#4 | Low Bongo       | 86-D6   | Windchime        |
| 37-C#2 | Side Stick             | 62-D4  | Mute Hi Conga   | 87-D#6  | Car Engine Start |
| 38-D2  | Snare Drum 1           | 63-D#4 | Open High Conga | 88-E6   | Car Breaking     |
| 39-D#2 | Hand Clap              | 64-E4  | Low Conga       | 89-F6   | Car Pass         |
| 40-E2  | Snare Drum 2           | 65-F4  | High Timbale    | 90-F#6  | Car Crash        |
| 41-F2  | Low Floor Tom          | 66-F#4 | Low Timbale     | 91-G6   | Police Siren     |
| 42-F#2 | Closed Hi Hat (EXC1)   | 67-G4  | High Agogo      | 92-G#6  | Train            |
| 43-G2  | High Floor Tom         | 68-G#4 | Low Agogo       | 93-A6   | Jet Take-off     |
| 44-G#2 | Pedal Hi-Hat (EXC1)    | 69-A4  | Cabasa          | 94-A#6  | Helicopter       |
| 45-A2  | Low Tom                | 70-A#4 | Maracas         | 95-B6   | Startship        |
| 46-A#2 | Open Hi-Hat (EXC1)     | 71-B4  | Short Whistle   | 96-C7   | Gun Shot         |
| 47-B2  | Low-Mid Tom            | 72-C5  | Long Whistle    | 97-C#7  | Machinegun       |
| 48-C3  | Hi Mid Tom             | 73-C#5 | Short Guiro     | 98-D7   | Lasergun         |
| 49-C#3 | Crash Cymbal 1         | 74-D5  |                 | 99-D#7  | Explosion        |
| 50-D3  | High Tom               | 75-D#5 | Claves          | 100-E7  | Dog              |
| 51-D#3 | Ride Cymbal 1          | 76-E5  | Laughing        | 101-F7  | Horse            |
| 52-E3  |                        | 77-F5  | Screaming       | 102-F#7 | Birds            |
| 53-F3  |                        | 78-F#5 | Punch           | 103-G7  | Rain             |
| 54-F#3 | Tambourine             | 79-G5  | Heartbeat       | 104-G#7 | Thunder          |
| 55-G3  |                        | 80-G#5 | Footsteps1      | 105-A7  | Wind             |
| 56-G#3 | Cowbell                | 81-A5  | Footsteps2      | 106-A#7 | Sea Shore        |
| 57-A3  |                        | 82-A#5 | Applause        | 107-B7  | Stream           |
| 58-A#3 |                        | 83-B5  | Door Creaking   | 108-C8  | Bubble           |
| 59-B3  |                        | 84-C6  | Door Closing    |         |                  |

E

F

G

Appendix

# MT 32 Compatibility Mode (MIDI Channels 1-9, 11-16) Variations (MIDI 0) : 127

Note: This mode ensures only basic compatibility with MT 32 by mapping GM instruments onto the MT32 sound list.

|    |               |    |                |    |               |     |               |
|----|---------------|----|----------------|----|---------------|-----|---------------|
| 1  | Piano         | 33 | Fantasia       | 65 | Acoustic Bs.  | 97  | Brass 2       |
| 2  | Piano2        | 34 | Syn Calliope   | 66 | Fingered Bs.  | 98  | Vibraphone    |
| 3  | Piano3        | 35 | Choir Aahs     | 67 | Picked Bs.    | 99  | Vibraphone    |
| 4  | Detuned EP 1  | 36 | Bowed Glass    | 68 | Fretless Bs.  | 100 | Kalimba       |
| 5  | E.Piano1      | 37 | Soundtrack     | 69 | Slap Bs. 1    | 101 | Tinkle Bell   |
| 6  | E.Piano2      | 38 | Atmosphere     | 70 | Slap Bs.      | 102 | Glockenspiel  |
| 7  | Detuned EP2   | 39 | Crystal        | 71 | Fretless Bs.  | 103 | Tubular-Bell  |
| 8  | Honky-Tonk    | 40 | Bag Pipe       | 72 | Fretless Bs.  | 104 | Xylophone     |
| 9  | Organ1        | 41 | Tinkle Bell    | 73 | Flute         | 105 | Marimba       |
| 10 | Organ 2       | 42 | Ice Rain       | 74 | Flute         | 106 | Koto          |
| 11 | Organ 3       | 43 | Oboe           | 75 | Piccolo       | 107 | Taisho Koto   |
| 12 | Detuned Or.1  | 44 | Pan Flute      | 76 | Piccolo       | 108 | Shakuhachi    |
| 13 | Church Org.2  | 45 | Saw Wave       | 77 | Recorder      | 109 | Whistle       |
| 14 | Church Org.   | 46 | Charang        | 78 | Pan Flute     | 110 | Whistle       |
| 15 | Church Org.   | 47 | Tubular        | 79 | Soprano Fax   | 111 | Bottle Blow   |
| 16 | Accordion Fr. | 48 | Square Wave    | 80 | Alto Sax      | 112 | Pan Flute     |
| 17 | Harpsichord   | 49 | Strings        | 81 | Tenor Sax     | 113 | Timpani       |
| 18 | Coupled Hps.  | 50 | Tremolo Str.   | 82 | Baritone Sax  | 114 | Melo Tom      |
| 19 | Coupled Hps.  | 51 | Slow Strings   | 83 | Clarinet      | 115 | Concert BD    |
| 20 | Clav.         | 52 | Pizzicato Str. | 84 | Clarinet      | 116 | Synth Drum.   |
| 21 | Clav.         | 53 | Violin         | 85 | Oboe          | 117 | Melo Tom      |
| 22 | Clav.         | 54 | Viola          | 86 | English Horn  | 118 | Taiko         |
| 23 | Celesta       | 55 | Cello          | 87 | Bassoon       | 119 | Taiko         |
| 24 | Celesta       | 56 | Cello          | 88 | Harmonica     | 120 | Reverse Cym.  |
| 25 | Synth Brass1  | 57 | Contrabass     | 89 | Trumpet       | 121 | Castanets     |
| 26 | Synth Brass2  | 58 | Harp           | 90 | Muted Trumpet | 122 | Tinkle Bell   |
| 27 | Synth Brass3  | 59 | Harp           | 91 | Trombone      | 123 | Orchestra Hit |
| 28 | Synth Brass4  | 60 | Nylon-str. Gt  | 92 | Trombone      | 124 | Telephone     |
| 29 | Synth Brass1  | 61 | Steel-Str. Gt  | 93 | French Horn   | 125 | Bird          |
| 30 | Synth Brass2  | 62 | Chorus Gt.     | 94 | French Horn   | 126 | Helicopter    |
| 31 | Synth Brass3  | 63 | Funk Gt.       | 95 | Tuba          | 127 | Bowed Glass   |
| 32 | Synth Brass4  | 64 | Sitar          | 96 | Brass         | 128 | Ice Rain      |

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FCC NOTICE

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- Reorient or relocate the receiving antenna.
  - Increase the separation between the equipment and the receiver.
  - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
  - Consult the dealer or an experienced radio/TV technician for help.
- Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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| Appendix |