

| MIDIBox AY (YM) V1 / V2 - PATCH DATA – ADR (Memo V2.1, 08.04.2011) |                                 |                              |  |   |
|--|---------------------------------|------------------------------|--|---|
| VAR NAME (CONST VALUE)   | FUNCTION                        | ADR (DEC)<br>0-255<br>EEPROM | ADR (DEC)<br>0-32767<br>Bankstick Patch1 | ADR (HEX)<br>0x000 - 7FFF<br>Bankstick Patch1 |
| (INT Patch 0x12   BANKSTICK Patch 0x88)                            | PATCH FINGERPRINT               | 0                            | 0  | 0x00  |
| BANKSTICK PATCH NUMBER   | -                               | -                            | 1  | 0x01  |
| PATCH NAME ASC 0   | PATCH NAME (ASC)                | 1                            | 2  | 0x02  |
| PATCH NAME ASC 1   |                                 | 2                            | 3  | 0x03  |
| PATCH NAME ASC 2   |                                 | 3                            | 4  | 0x04  |
| PATCH NAME ASC 3   |                                 | 4                            | 5  | 0x05  |
| PATCH NAME ASC 4   |                                 | 5                            | 6  | 0x06  |
| PATCH NAME ASC 5   |                                 | 6                            | 7  | 0x07  |
| PATCH NAME ASC 6   |                                 | 7                            | 8  | 0x08  |
| PATCH NAME ASC 7   |                                 | 8                            | 9  | 0x09  |
| AY_TONE_A_TUNE_FINE_USER   | Tune Tone A (USER)              | 9                            | 10                                       | 0x0A  |
| AY_TONE_B_TUNE_FINE_USER   | Tune Tone B (USER)              | 10                           | 11                                       | 0x0B  |
| AY_TONE_C_TUNE_FINE_USER   | Tune Tone C (USER)              | 11                           | 12                                       | 0x0C  |
| AY_TONE_A_TUNE_COARSE_USER   | Tune Tone A (USER)              | 12                           | 13                                       | 0x0D  |
| AY_TONE_B_TUNE_COARSE_USER   | Tune Tone B (USER)              | 13                           | 14                                       | 0x0E  |
| AY_TONE_C_TUNE_COARSE_USER   | Tune Tone C (USER)              | 14                           | 15                                       | 0x0F  |
| AY_TONE_A_MIDI_CHANNEL_USER  | MIDI CH. TONE A                 | 15                           | 16                                       | 0x10  |
| AY_TONE_B_MIDI_CHANNEL_USER  | MIDI CH. TONE B                 | 16                           | 17                                       | 0x11  |
| AY_TONE_C_MIDI_CHANNEL_USER  | MIDI CH. TONE C                 | 17                           | 18                                       | 0x12  |
| AY_VELOCITY_TO_ABC_NOISE_PERIOD_ON_OFF                             | Veloc. To Noise Period (on/off) | 18                           | 19                                       | 0x13  |
| AY_R6_NOISE_PERIOD   | Global NOISE PERIOD (0-31)      | 19                           | 20                                       | 0x14  |
| AY_R8_CH_A_AMPLITUDE   | Vol. Tone A                     | 20                           | 21                                       | 0x15  |
| AY_R9_CH_B_AMPLITUDE   | Vol. Tone B                     | 21                           | 22                                       | 0x16  |
| AY_R10_CH_C_AMPLITUDE  | Vol. Tone C                     | 22                           | 23                                       | 0x17  |
| AY_R11_ENV_PERIOD_FINE   | Global Envelope                 | 23                           | 24                                       | 0x18  |
| AY_R12_ENV_PERIOD_COARSE   | Global Envelope                 | 24                           | 25                                       | 0x19  |
| ENV_SHAPE_0_15_to_1_8_TRANSLATOR                                   | Envelope (Funct.)               | 25                           | 26                                       | 0x1A  |
| AY_TONE_NOISE_ABC_USER_ON_OFF_SWITCH                               | Tone ABC Noise User (on/off)    | 26                           | 27                                       | 0x1B  |
| FX_USER_ON_OFF_ABC   | Fx Option User (on/off)         | 27                           | 28                                       | 0x1C  |
| -  | (reserved)                      | 28                           | -  | -   |
| -  | (reserved)                      | 29                           | -  | -   |
| -  | (reserved)                      | 30                           | -  | -   |
| -  | (reserved)                      | 31                           | -  | -   |
| FX_FUNCTION_POS0   | Fx Option Func. @ Pos0          | 32                           | 29                                       | 0x1D  |
| FX_FUNCTION_POS1   | Fx Option Func. @ Pos1          | 33                           | 30                                       | 0x1E  |
| FX_FUNCTION_POS2   | Fx Option Func. @ Pos2          | 34                           | 31                                       | 0x1F  |
| FX_FUNCTION_POS3   | Fx Option Func. @ Pos3          | 35                           | 32                                       | 0x20  |
| FX_FUNCTION_POS4   | Fx Option Func. @ Pos4          | 36                           | 33                                       | 0x21  |
| FX_FUNCTION_POS5   | Fx Option Func. @ Pos5          | 37                           | 34                                       | 0x22  |
| FX_FUNCTION_POS6   | Fx Option Func. @ Pos6          | 38                           | 35                                       | 0x23  |
| FX_FUNCTION_POS7   | Fx Option Func. @ Pos7          | 39                           | 36                                       | 0x24  |
| FX_FUNCTION_POS8   | Fx Option Func. @ Pos8          | 40                           | 37                                       | 0x25  |
| FX_FUNCTION_POS9   | Fx Option Func. @ Pos9          | 41                           | 38                                       | 0x26  |
| FX_FUNCTION_POS10  | Fx Option Func. @ Pos10         | 42                           | 39                                       | 0x27  |
| FX_FUNCTION_POS11  | Fx Option Func. @ Pos11         | 43                           | 40                                       | 0x28  |
| FX_FUNCTION_POS12  | Fx Option Func. @ Pos12         | 44                           | 41                                       | 0x29  |
| FX_FUNCTION_POS13  | Fx Option Func. @ Pos13         | 45                           | 42                                       | 0x2A  |
| FX_FUNCTION_POS14  | Fx Option Func. @ Pos14         | 46                           | 43                                       | 0x2B  |
| FX_FUNCTION_POS15  | Fx Option Func. @ Pos15         | 47                           | 44                                       | 0x2C  |
| FX_FUNCTION_POS16  | Fx Option Func. @ Pos16         | 48                           | 45                                       | 0x2D  |
| FX_FUNCTION_POS17  | Fx Option Func. @ Pos17         | 49                           | 46                                       | 0x2E  |
| FX_FUNCTION_POS18  | Fx Option Func. @ Pos18         | 50                           | 47                                       | 0x2F  |
| FX_FUNCTION_POS19  | Fx Option Func. @ Pos19         | 51                           | 48                                       | 0x30  |
| FX_FUNCTION_POS20  | Fx Option Func. @ Pos20         | 52                           | 49                                       | 0x31  |
| FX_FUNCTION_POS21  | Fx Option Func. @ Pos21         | 53                           | 50                                       | 0x32  |
| FX_FUNCTION_POS22  | Fx Option Func. @ Pos22         | 54                           | 51                                       | 0x33  |
| FX_FUNCTION_POS23  | Fx Option Func. @ Pos23         | 55                           | 52                                       | 0x34  |
| FX_FUNCTION_POS24  | Fx Option Func. @ Pos24         | 56                           | 53                                       | 0x35  |
| FX_FUNCTION_POS25  | Fx Option Func. @ Pos25         | 57                           | 54                                       | 0x36  |
| FX_FUNCTION_POS26  | Fx Option Func. @ Pos26         | 58                           | 55                                       | 0x37  |
| FX_FUNCTION_POS27  | Fx Option Func. @ Pos27         | 59                           | 56                                       | 0x38  |
| FX_FUNCTION_POS28  | Fx Option Func. @ Pos28         | 60                           | 57                                       | 0x39  |
| FX_FUNCTION_POS29  | Fx Option Func. @ Pos29         | 61                           | 58                                       | 0x3A  |
| FX_FUNCTION_POS30  | Fx Option Func. @ Pos30         | 62                           | 59                                       | 0x3B  |
| FX_FUNCTION_POS31  | Fx Option Func. @ Pos31         | 63                           | 60                                       | 0x3C  |
| FX_FUNCTION_DATA_POS0  | Fx Option Data @ Pos0           | 64                           | 61                                       | 0x3D  |
| FX_FUNCTION_DATA_POS1  | Fx Option Data @ Pos1           | 65                           | 62                                       | 0x3E  |
| FX_FUNCTION_DATA_POS2  | Fx Option Data @ Pos2           | 66                           | 63                                       | 0x3F  |
| FX_FUNCTION_DATA_POS3  | Fx Option Data @ Pos3           | 67                           | 64                                       | 0x40  |
| FX_FUNCTION_DATA_POS4  | Fx Option Data @ Pos4           | 68                           | 65                                       | 0x41  |
| FX_FUNCTION_DATA_POS5  | Fx Option Data @ Pos5           | 69                           | 66                                       | 0x42  |
| FX_FUNCTION_DATA_POS6  | Fx Option Data @ Pos6           | 70                           | 67                                       | 0x43  |
| FX_FUNCTION_DATA_POS7  | Fx Option Data @ Pos7           | 71                           | 68                                       | 0x44  |
| FX_FUNCTION_DATA_POS8  | Fx Option Data @ Pos8           | 72                           | 69                                       | 0x45  |
| FX_FUNCTION_DATA_POS9  | Fx Option Data @ Pos9           | 73                           | 70                                       | 0x46  |
| FX_FUNCTION_DATA_POS10   | Fx Option Data @ Pos10          | 74                           | 71                                       | 0x47  |
| FX_FUNCTION_DATA_POS11   | Fx Option Data @ Pos11          | 75                           | 72                                       | 0x48  |
| FX_FUNCTION_DATA_POS12   | Fx Option Data @ Pos12          | 76                           | 73                                       | 0x49  |
| FX_FUNCTION_DATA_POS13   | Fx Option Data @ Pos13          | 77                           | 74                                       | 0x4A  |

|                        |                                  |     |     |      |
|------------------------|----------------------------------|-----|-----|------|
| FX FUNCTION DATA_POS14 | Fx Option Data @ Pos14           | 78  | 75  | 0x4B |
| FX FUNCTION DATA_POS15 | Fx Option Data @ Pos15           | 79  | 76  | 0x4C |
| FX FUNCTION DATA_POS16 | Fx Option Data @ Pos16           | 80  | 77  | 0x4D |
| FX FUNCTION DATA_POS17 | Fx Option Data @ Pos17           | 81  | 78  | 0x4E |
| FX FUNCTION DATA_POS18 | Fx Option Data @ Pos18           | 82  | 79  | 0x4F |
| FX FUNCTION DATA_POS19 | Fx Option Data @ Pos19           | 83  | 80  | 0x50 |
| FX FUNCTION DATA_POS20 | Fx Option Data @ Pos20           | 84  | 81  | 0x51 |
| FX FUNCTION DATA_POS21 | Fx Option Data @ Pos21           | 85  | 82  | 0x52 |
| FX FUNCTION DATA_POS22 | Fx Option Data @ Pos22           | 86  | 83  | 0x53 |
| FX FUNCTION DATA_POS23 | Fx Option Data @ Pos23           | 87  | 84  | 0x54 |
| FX FUNCTION DATA_POS24 | Fx Option Data @ Pos24           | 88  | 85  | 0x55 |
| FX FUNCTION DATA_POS25 | Fx Option Data @ Pos25           | 89  | 86  | 0x56 |
| FX FUNCTION DATA_POS26 | Fx Option Data @ Pos26           | 90  | 87  | 0x57 |
| FX FUNCTION DATA_POS27 | Fx Option Data @ Pos27           | 91  | 88  | 0x58 |
| FX FUNCTION DATA_POS28 | Fx Option Data @ Pos28           | 92  | 89  | 0x59 |
| FX FUNCTION DATA_POS29 | Fx Option Data @ Pos29           | 93  | 90  | 0x5A |
| FX FUNCTION DATA_POS30 | Fx Option Data @ Pos30           | 94  | 91  | 0x5B |
| FX FUNCTION DATA_POS31 | Fx Option Data @ Pos31           | 95  | 92  | 0x5C |
| FX FUNCTION TIME_POS0  | Fx Option Pre. Load Time @ Pos0  | 96  | 93  | 0x5D |
| FX FUNCTION TIME_POS1  | Fx Option Pre. Load Time @ Pos1  | 97  | 94  | 0x5E |
| FX FUNCTION TIME_POS2  | Fx Option Pre. Load Time @ Pos2  | 98  | 95  | 0x5F |
| FX FUNCTION TIME_POS3  | Fx Option Pre. Load Time @ Pos3  | 99  | 96  | 0x60 |
| FX FUNCTION TIME_POS4  | Fx Option Pre. Load Time @ Pos4  | 100 | 97  | 0x61 |
| FX FUNCTION TIME_POS5  | Fx Option Pre. Load Time @ Pos5  | 101 | 98  | 0x62 |
| FX FUNCTION TIME_POS6  | Fx Option Pre. Load Time @ Pos6  | 102 | 99  | 0x63 |
| FX FUNCTION TIME_POS7  | Fx Option Pre. Load Time @ Pos7  | 103 | 100 | 0x64 |
| FX FUNCTION TIME_POS8  | Fx Option Pre. Load Time @ Pos8  | 104 | 101 | 0x65 |
| FX FUNCTION TIME_POS9  | Fx Option Pre. Load Time @ Pos9  | 105 | 102 | 0x66 |
| FX FUNCTION TIME_POS10 | Fx Option Pre. Load Time @ Pos10 | 106 | 103 | 0x67 |
| FX FUNCTION TIME_POS11 | Fx Option Pre. Load Time @ Pos11 | 107 | 104 | 0x68 |
| FX FUNCTION TIME_POS12 | Fx Option Pre. Load Time @ Pos12 | 108 | 105 | 0x69 |
| FX FUNCTION TIME_POS13 | Fx Option Pre. Load Time @ Pos13 | 109 | 106 | 0x6A |
| FX FUNCTION TIME_POS14 | Fx Option Pre. Load Time @ Pos14 | 110 | 107 | 0x6B |
| FX FUNCTION TIME_POS15 | Fx Option Pre. Load Time @ Pos15 | 111 | 108 | 0x6C |
| FX FUNCTION TIME_POS16 | Fx Option Pre. Load Time @ Pos16 | 112 | 109 | 0x6D |
| FX FUNCTION TIME_POS17 | Fx Option Pre. Load Time @ Pos17 | 113 | 110 | 0x6E |
| FX FUNCTION TIME_POS18 | Fx Option Pre. Load Time @ Pos18 | 114 | 111 | 0x6F |
| FX FUNCTION TIME_POS19 | Fx Option Pre. Load Time @ Pos19 | 115 | 112 | 0x70 |
| FX FUNCTION TIME_POS20 | Fx Option Pre. Load Time @ Pos20 | 116 | 113 | 0x71 |
| FX FUNCTION TIME_POS21 | Fx Option Pre. Load Time @ Pos21 | 117 | 114 | 0x72 |
| FX FUNCTION TIME_POS22 | Fx Option Pre. Load Time @ Pos22 | 118 | 115 | 0x73 |
| FX FUNCTION TIME_POS23 | Fx Option Pre. Load Time @ Pos23 | 119 | 116 | 0x74 |
| FX FUNCTION TIME_POS24 | Fx Option Pre. Load Time @ Pos24 | 120 | 117 | 0x75 |
| FX FUNCTION TIME_POS25 | Fx Option Pre. Load Time @ Pos25 | 121 | 118 | 0x76 |
| FX FUNCTION TIME_POS26 | Fx Option Pre. Load Time @ Pos26 | 122 | 119 | 0x77 |
| FX FUNCTION TIME_POS27 | Fx Option Pre. Load Time @ Pos27 | 123 | 120 | 0x78 |
| FX FUNCTION TIME_POS28 | Fx Option Pre. Load Time @ Pos28 | 124 | 121 | 0x79 |
| FX FUNCTION TIME_POS29 | Fx Option Pre. Load Time @ Pos29 | 125 | 122 | 0x7A |
| FX FUNCTION TIME_POS30 | Fx Option Pre. Load Time @ Pos30 | 126 | 123 | 0x7B |
| FX FUNCTION TIME_POS31 | Fx Option Pre. Load Time @ Pos31 | 127 | 124 | 0x7C |

**BANKSTICK MEMO (V1, 02.11.2009)**

|  |  |                  |
|--|--|------------------|
| <b>MB AY PATCH NUMBER 1</b><br>(-1 OFFSET @ HIGH BYTE) | <b>BANKSTICK PATCH</b><br>1 START ADR. | <b>DEC.</b><br>0 |
|--|--|------------------|

MEMO: THE PATCH NUMBER is the POINTER TO the PATCHES via [(PATCH NUMBER = HIGH BYTE ADR) - 1]

| ADR (HEX)<br>HIGH BYTE | ADR (HEX)<br>LOW BYTE | VAR NAME (CONST VALUE)                 |
|------------------------|-----------------------|--|
| Bankstick Patch1       | Bankstick Patch1      |  |
| 0x00                   | 0x00                  | FINGERPRINT (BANKSTICK Patch 0x88)     |
| 0x00                   | 0x01                  | BANKSTICK PATCH NUMBER (0x01)          |
| 0x00                   | 0x02                  | PATCH NAME ASC 0                       |
| 0x00                   | 0x03                  | PATCH NAME ASC 1                       |
| 0x00                   | 0x04                  | PATCH NAME ASC 2                       |
| 0x00                   | 0x05                  | PATCH NAME ASC 3                       |
| 0x00                   | 0x06                  | PATCH_NAME_ASC_4                       |
| 0x00                   | 0x07                  | PATCH NAME ASC 5                       |
| 0x00                   | 0x08                  | PATCH NAME ASC 6                       |
| 0x00                   | 0x09                  | PATCH NAME ASC 7                       |
| 0x00                   | 0x0A                  | AY TONE A TUNE FINE USER               |
| 0x00                   | 0x0B                  | AY TONE B TUNE FINE USER               |
| 0x00                   | 0x0C                  | AY TONE C TUNE FINE USER               |
| 0x00                   | 0x0D                  | AY TONE A TUNE COARSE USER             |
| 0x00                   | 0x0E                  | AY TONE B TUNE COARSE USER             |
| 0x00                   | 0x0F                  | AY TONE C TUNE COARSE USER             |
| 0x00                   | 0x10                  | AY TONE A MIDI CHANNEL USER            |
| 0x00                   | 0x11                  | AY TONE B MIDI CHANNEL USER            |
| 0x00                   | 0x12                  | AY TONE C MIDI CHANNEL USER            |
| 0x00                   | 0x13                  | AY VELOCITY TO ABC NOISE PERIOD ON OFF |
| 0x00                   | 0x14                  | AY R6 NOISE PERIOD                     |
| 0x00                   | 0x15                  | AY R8 CH A AMPLITUDE                   |
| 0x00                   | 0x16                  | AY R9 CH B AMPLITUDE                   |
| 0x00                   | 0x17                  | AY R10 CH C AMPLITUDE                  |
| 0x00                   | 0x18                  | AY R11 ENV PERIOD FINE                 |
| 0x00                   | 0x19                  | AY R12 ENV PERIOD COARSE               |
| 0x00                   | 0x1A                  | ENV SHAPE 0 15 to 1 8 TRANSLATOR       |
| 0x00                   | 0x1B                  | AY TONE NOISE ABC USER ON OFF SWITCH   |
| 0x00                   | 0x1C                  | FX USER ON OFF ABC                     |
| 0x00                   | 0x1D                  | FX FUNCTION POS0                       |
| 0x00                   | 0x1E                  | FX FUNCTION POS1                       |
| 0x00                   | 0x1F                  | FX FUNCTION POS2                       |
| 0x00                   | 0x20                  | FX FUNCTION POS3                       |
| 0x00                   | 0x21                  | FX FUNCTION POS4                       |
| 0x00                   | 0x22                  | FX FUNCTION POS5                       |
| 0x00                   | 0x23                  | FX FUNCTION POS6                       |
| 0x00                   | 0x24                  | FX FUNCTION POS7                       |
| 0x00                   | 0x25                  | FX FUNCTION POS8                       |
| 0x00                   | 0x26                  | FX FUNCTION POS9                       |
| 0x00                   | 0x27                  | FX FUNCTION POS10                      |
| 0x00                   | 0x28                  | FX FUNCTION POS11                      |
| 0x00                   | 0x29                  | FX FUNCTION POS12                      |
| 0x00                   | 0x2A                  | FX FUNCTION POS13                      |
| 0x00                   | 0x2B                  | FX FUNCTION POS14                      |
| 0x00                   | 0x2C                  | FX FUNCTION POS15                      |
| 0x00                   | 0x2D                  | FX FUNCTION POS16                      |
| 0x00                   | 0x2E                  | FX FUNCTION POS17                      |
| 0x00                   | 0x2F                  | FX FUNCTION POS18                      |
| 0x00                   | 0x30                  | FX FUNCTION POS19                      |
| 0x00                   | 0x31                  | FX FUNCTION POS20                      |
| 0x00                   | 0x32                  | FX FUNCTION POS21                      |
| 0x00                   | 0x33                  | FX FUNCTION POS22                      |
| 0x00                   | 0x34                  | FX FUNCTION POS23                      |
| 0x00                   | 0x35                  | FX FUNCTION POS24                      |
| 0x00                   | 0x36                  | FX FUNCTION POS25                      |
| 0x00                   | 0x37                  | FX FUNCTION POS26                      |
| 0x00                   | 0x38                  | FX FUNCTION POS27                      |
| 0x00                   | 0x39                  | FX FUNCTION POS28                      |
| 0x00                   | 0x3A                  | FX FUNCTION POS29                      |
| 0x00                   | 0x3B                  | FX FUNCTION POS30                      |
| 0x00                   | 0x3C                  | FX FUNCTION POS31                      |
| 0x00                   | 0x3D                  | FX FUNCTION DATA POS0                  |
| 0x00                   | 0x3E                  | FX FUNCTION DATA POS1                  |
| 0x00                   | 0x3F                  | FX FUNCTION DATA POS2                  |
| 0x00                   | 0x40                  | FX FUNCTION DATA POS3                  |
| 0x00                   | 0x41                  | FX FUNCTION DATA POS4                  |
| 0x00                   | 0x42                  | FX FUNCTION DATA POS5                  |
| 0x00                   | 0x43                  | FX FUNCTION DATA POS6                  |
| 0x00                   | 0x44                  | FX FUNCTION DATA POS7                  |
| 0x00                   | 0x45                  | FX FUNCTION DATA POS8                  |
| 0x00                   | 0x46                  | FX FUNCTION DATA POS9                  |
| 0x00                   | 0x47                  | FX FUNCTION DATA POS10                 |
| 0x00                   | 0x48                  | FX FUNCTION DATA POS11                 |
| 0x00                   | 0x49                  | FX FUNCTION DATA POS12                 |
| 0x00                   | 0x4A                  | FX FUNCTION DATA POS13                 |
| 0x00                   | 0x4B                  | FX FUNCTION DATA POS14                 |
| 0x00                   | 0x4C                  | FX FUNCTION DATA POS15                 |
| 0x00                   | 0x4D                  | FX FUNCTION DATA POS16                 |
| 0x00                   | 0x4E                  | FX FUNCTION DATA POS17                 |
| 0x00                   | 0x4F                  | FX FUNCTION DATA POS18                 |
| 0x00                   | 0x50                  | FX FUNCTION DATA POS19                 |
| 0x00                   | 0x51                  | FX FUNCTION DATA POS20                 |
| 0x00                   | 0x52                  | FX FUNCTION DATA POS21                 |
| 0x00                   | 0x53                  | FX FUNCTION DATA POS22                 |
| 0x00                   | 0x54                  | FX FUNCTION DATA POS23                 |
| 0x00                   | 0x55                  | FX FUNCTION DATA POS24                 |
| 0x00                   | 0x56                  | FX FUNCTION DATA POS25                 |
| 0x00                   | 0x57                  | FX FUNCTION DATA POS26                 |
| 0x00                   | 0x58                  | FX FUNCTION DATA POS27                 |
| 0x00                   | 0x59                  | FX FUNCTION DATA POS28                 |
| 0x00                   | 0x5A                  | FX FUNCTION DATA POS29                 |
| 0x00                   | 0x5B                  | FX FUNCTION DATA POS30                 |
| 0x00                   | 0x5C                  | FX FUNCTION DATA POS31                 |
| 0x00                   | 0x5D                  | FX FUNCTION TIME POS0                  |
| 0x00                   | 0x5E                  | FX FUNCTION TIME POS1                  |
| 0x00                   | 0x5F                  | FX FUNCTION TIME POS2                  |
| 0x00                   | 0x60                  | FX_FUNCTION_TIME_POS3                  |
| 0x00                   | 0x61                  | FX_FUNCTION_TIME_POS4                  |
| 0x00                   | 0x62                  | FX_FUNCTION_TIME_POS5                  |
| 0x00                   | 0x63                  | FX_FUNCTION_TIME_POS6                  |
| 0x00                   | 0x64                  | FX_FUNCTION_TIME_POS7                  |

**BANKSTICK PATCH 1 END ADR.**      **DEC. 255** >>>

|      |      |                        |
|------|------|------------------------|
| 0x00 | 0x65 | FX_FUNCTION_TIME_POS8  |
| 0x00 | 0x66 | FX_FUNCTION_TIME_POS9  |
| 0x00 | 0x67 | FX_FUNCTION_TIME_POS10 |
| 0x00 | 0x68 | FX_FUNCTION_TIME_POS11 |
| 0x00 | 0x69 | FX_FUNCTION_TIME_POS12 |
| 0x00 | 0x6A | FX_FUNCTION_TIME_POS13 |
| 0x00 | 0x6B | FX_FUNCTION_TIME_POS14 |
| 0x00 | 0x6C | FX_FUNCTION_TIME_POS15 |
| 0x00 | 0x6D | FX_FUNCTION_TIME_POS16 |
| 0x00 | 0x6E | FX_FUNCTION_TIME_POS17 |
| 0x00 | 0x6F | FX_FUNCTION_TIME_POS18 |
| 0x00 | 0x70 | FX_FUNCTION_TIME_POS19 |
| 0x00 | 0x71 | FX_FUNCTION_TIME_POS20 |
| 0x00 | 0x72 | FX_FUNCTION_TIME_POS21 |
| 0x00 | 0x73 | FX_FUNCTION_TIME_POS22 |
| 0x00 | 0x74 | FX_FUNCTION_TIME_POS23 |
| 0x00 | 0x75 | FX_FUNCTION_TIME_POS24 |
| 0x00 | 0x76 | FX_FUNCTION_TIME_POS25 |
| 0x00 | 0x77 | FX_FUNCTION_TIME_POS26 |
| 0x00 | 0x78 | FX_FUNCTION_TIME_POS27 |
| 0x00 | 0x79 | FX_FUNCTION_TIME_POS28 |
| 0x00 | 0x7A | FX_FUNCTION_TIME_POS29 |
| 0x00 | 0x7B | FX_FUNCTION_TIME_POS30 |
| 0x00 | 0x7C | FX_FUNCTION_TIME_POS31 |
| 0x00 | 0x7D | -                      |
| 0x00 | 0x7E | -                      |
| 0x00 | 0x7F | -                      |
| 0x00 | 0x80 | -                      |
| 0x00 | 0x81 | -                      |
| 0x00 | 0x82 | -                      |
| 0x00 | 0x83 | -                      |
| 0x00 | 0x84 | -                      |
| 0x00 | 0x85 | -                      |
| 0x00 | 0x86 | -                      |
| 0x00 | 0x87 | -                      |
| 0x00 | 0x88 | -                      |
| 0x00 | 0x89 | -                      |
| ...  | ...  | ...                    |
| 0x00 | 0xFF | -                      |

**MB AY PATCH NUMBER (-1 OFFSET @ HIGH BYTE)**      **BANKSTICK PATCH 2 START ADR.**      **DEC. 256** >>>

| ADR (HEX) HIGH BYTE<br>Bankstick Patch 2 | ADR (HEX) LOW BYTE<br>Bankstick Patch 2 | VAR NAME (CONST VALUE)                 |
|--|---|--|
| 0x01                                     | 0x00                                    | FINGERPRINT (BANKSTICK Patch 0x88)     |
| 0x01                                     | 0x01                                    | BANKSTICK PATCH NUMBER (0x02)          |
| 0x01                                     | 0x02                                    | PATCH NAME ASC 0                       |
| 0x01                                     | 0x03                                    | PATCH NAME ASC 1                       |
| 0x01                                     | 0x04                                    | PATCH NAME ASC 2                       |
| 0x01                                     | 0x05                                    | PATCH NAME ASC 3                       |
| 0x01                                     | 0x06                                    | PATCH NAME ASC 4                       |
| 0x01                                     | 0x07                                    | PATCH NAME ASC 5                       |
| 0x01                                     | 0x08                                    | PATCH NAME ASC 6                       |
| 0x01                                     | 0x09                                    | PATCH NAME ASC 7                       |
| 0x01                                     | 0x0A                                    | AY TONE A TUNE FINE USER               |
| 0x01                                     | 0x0B                                    | AY TONE B TUNE FINE USER               |
| 0x01                                     | 0x0C                                    | AY TONE C TUNE FINE USER               |
| 0x01                                     | 0x0D                                    | AY TONE A TUNE COARSE USER             |
| 0x01                                     | 0x0E                                    | AY TONE B TUNE COARSE USER             |
| 0x01                                     | 0x0F                                    | AY TONE C TUNE COARSE USER             |
| 0x01                                     | 0x10                                    | AY TONE A MIDI CHANNEL USER            |
| 0x01                                     | 0x11                                    | AY TONE B MIDI CHANNEL USER            |
| 0x01                                     | 0x12                                    | AY TONE C MIDI CHANNEL USER            |
| 0x01                                     | 0x13                                    | AY VELOCITY TO ABC NOISE PERIOD ON OFF |
| 0x01                                     | 0x14                                    | AY R6 NOISE PERIOD                     |
| 0x01                                     | 0x15                                    | AY R8 CH A AMPLITUDE                   |
| 0x01                                     | 0x16                                    | AY R9 CH B AMPLITUDE                   |
| 0x01                                     | 0x17                                    | AY R10 CH C AMPLITUDE                  |
| 0x01                                     | 0x18                                    | AY R11 ENV PERIOD FINE                 |
| 0x01                                     | 0x19                                    | AY R12 ENV PERIOD COARSE               |
| 0x01                                     | 0x1A                                    | ENV SHAPE 0 15 to 1 8 TRANSLATOR       |
| 0x01                                     | 0x1B                                    | AY TONE NOISE ABC USER ON OFF SWITCH   |
| 0x01                                     | 0x1C                                    | FX USER ON OFF ABC                     |
| 0x01                                     | 0x1D                                    | FX FUNCTION POS0                       |
| 0x01                                     | 0x1E                                    | FX FUNCTION POS1                       |
| 0x01                                     | 0x1F                                    | FX FUNCTION POS2                       |
| 0x01                                     | 0x20                                    | FX FUNCTION POS3                       |
| 0x01                                     | 0x21                                    | FX FUNCTION POS4                       |
| 0x01                                     | 0x22                                    | FX FUNCTION POS5                       |
| 0x01                                     | 0x23                                    | FX FUNCTION POS6                       |
| 0x01                                     | 0x24                                    | FX FUNCTION POS7                       |
| 0x01                                     | 0x25                                    | FX FUNCTION POS8                       |
| 0x01                                     | 0x26                                    | FX FUNCTION POS9                       |
| 0x01                                     | 0x27                                    | FX FUNCTION POS10                      |
| 0x01                                     | 0x28                                    | FX FUNCTION POS11                      |
| 0x01                                     | 0x29                                    | FX FUNCTION POS12                      |
| 0x01                                     | 0x2A                                    | FX FUNCTION POS13                      |
| 0x01                                     | 0x2B                                    | FX FUNCTION POS14                      |
| 0x01                                     | 0x2C                                    | FX FUNCTION POS15                      |
| 0x01                                     | 0x2D                                    | FX FUNCTION POS16                      |
| 0x01                                     | 0x2E                                    | FX FUNCTION POS17                      |
| 0x01                                     | 0x2F                                    | FX FUNCTION POS18                      |
| 0x01                                     | 0x30                                    | FX FUNCTION POS19                      |
| 0x01                                     | 0x31                                    | FX FUNCTION POS20                      |
| 0x01                                     | 0x32                                    | FX FUNCTION POS21                      |
| 0x01                                     | 0x33                                    | FX FUNCTION POS22                      |
| 0x01                                     | 0x34                                    | FX FUNCTION POS23                      |
| 0x01                                     | 0x35                                    | FX FUNCTION POS24                      |
| 0x01                                     | 0x36                                    | FX FUNCTION POS25                      |
| 0x01                                     | 0x37                                    | FX FUNCTION POS26                      |
| 0x01                                     | 0x38                                    | FX FUNCTION POS27                      |
| 0x01                                     | 0x39                                    | FX FUNCTION POS28                      |
| 0x01                                     | 0x3A                                    | FX FUNCTION POS29                      |
| 0x01                                     | 0x3B                                    | FX FUNCTION POS30                      |
| 0x01                                     | 0x3C                                    | FX FUNCTION POS31                      |
| 0x01                                     | 0x3D                                    | FX FUNCTION DATA POS0                  |
| 0x01                                     | 0x3E                                    | FX FUNCTION DATA POS1                  |
| 0x01                                     | 0x3F                                    | FX FUNCTION DATA POS2                  |

|      |      |                        |
|------|------|------------------------|
| 0x01 | 0x40 | FX FUNCTION DATA POS3  |
| 0x01 | 0x41 | FX FUNCTION DATA POS4  |
| 0x01 | 0x42 | FX FUNCTION DATA POS5  |
| 0x01 | 0x43 | FX FUNCTION DATA POS6  |
| 0x01 | 0x44 | FX FUNCTION DATA POS7  |
| 0x01 | 0x45 | FX FUNCTION DATA POS8  |
| 0x01 | 0x46 | FX FUNCTION DATA POS9  |
| 0x01 | 0x47 | FX FUNCTION DATA POS10 |
| 0x01 | 0x48 | FX FUNCTION DATA POS11 |
| 0x01 | 0x49 | FX FUNCTION DATA POS12 |
| 0x01 | 0x4A | FX FUNCTION DATA POS13 |
| 0x01 | 0x4B | FX FUNCTION DATA POS14 |
| 0x01 | 0x4C | FX FUNCTION DATA POS15 |
| 0x01 | 0x4D | FX FUNCTION DATA POS16 |
| 0x01 | 0x4E | FX FUNCTION DATA POS17 |
| 0x01 | 0x4F | FX FUNCTION DATA POS18 |
| 0x01 | 0x50 | FX FUNCTION DATA POS19 |
| 0x01 | 0x51 | FX FUNCTION DATA POS20 |
| 0x01 | 0x52 | FX FUNCTION DATA POS21 |
| 0x01 | 0x53 | FX FUNCTION DATA POS22 |
| 0x01 | 0x54 | FX FUNCTION DATA POS23 |
| 0x01 | 0x55 | FX FUNCTION DATA POS24 |
| 0x01 | 0x56 | FX FUNCTION DATA POS25 |
| 0x01 | 0x57 | FX FUNCTION DATA POS26 |
| 0x01 | 0x58 | FX FUNCTION DATA POS27 |
| 0x01 | 0x59 | FX FUNCTION DATA POS28 |
| 0x01 | 0x5A | FX FUNCTION DATA POS29 |
| 0x01 | 0x5B | FX FUNCTION DATA POS30 |
| 0x01 | 0x5C | FX FUNCTION DATA POS31 |
| 0x01 | 0x5D | FX FUNCTION TIME POS0  |
| 0x01 | 0x5E | FX FUNCTION TIME POS1  |
| 0x01 | 0x5F | FX FUNCTION TIME POS2  |
| 0x01 | 0x60 | FX FUNCTION TIME POS3  |
| 0x01 | 0x61 | FX FUNCTION TIME POS4  |
| 0x01 | 0x62 | FX FUNCTION TIME POS5  |
| 0x01 | 0x63 | FX FUNCTION TIME POS6  |
| 0x01 | 0x64 | FX FUNCTION TIME POS7  |
| 0x01 | 0x65 | FX FUNCTION TIME POS8  |
| 0x01 | 0x66 | FX FUNCTION TIME POS9  |
| 0x01 | 0x67 | FX FUNCTION TIME POS10 |
| 0x01 | 0x68 | FX FUNCTION TIME POS11 |
| 0x01 | 0x69 | FX FUNCTION TIME POS12 |
| 0x01 | 0x6A | FX FUNCTION TIME POS13 |
| 0x01 | 0x6B | FX FUNCTION TIME POS14 |
| 0x01 | 0x6C | FX FUNCTION TIME POS15 |
| 0x01 | 0x6D | FX FUNCTION TIME POS16 |
| 0x01 | 0x6E | FX FUNCTION TIME POS17 |
| 0x01 | 0x6F | FX FUNCTION TIME POS18 |
| 0x01 | 0x70 | FX FUNCTION TIME POS19 |
| 0x01 | 0x71 | FX FUNCTION TIME POS20 |
| 0x01 | 0x72 | FX FUNCTION TIME POS21 |
| 0x01 | 0x73 | FX FUNCTION TIME POS22 |
| 0x01 | 0x74 | FX FUNCTION TIME POS23 |
| 0x01 | 0x75 | FX FUNCTION TIME POS24 |
| 0x01 | 0x76 | FX FUNCTION TIME POS25 |
| 0x01 | 0x77 | FX FUNCTION TIME POS26 |
| 0x01 | 0x78 | FX FUNCTION TIME POS27 |
| 0x01 | 0x79 | FX FUNCTION TIME POS28 |
| 0x01 | 0x7A | FX FUNCTION TIME POS29 |
| 0x01 | 0x7B | FX FUNCTION TIME POS30 |
| 0x01 | 0x7C | FX FUNCTION TIME POS31 |
| 0x01 | 0x7D | -                      |
| 0x01 | 0x7E | -                      |
| 0x01 | 0x7F | -                      |
| 0x01 | 0x80 | -                      |
| 0x01 | 0x81 | -                      |
| 0x01 | 0x82 | -                      |
| 0x01 | 0x83 | -                      |
| 0x01 | 0x84 | -                      |
| 0x01 | 0x85 | -                      |
| 0x01 | 0x86 | -                      |
| 0x01 | 0x87 | -                      |
| 0x01 | 0x88 | -                      |
| 0x01 | 0x89 | -                      |
| ...  | ...  | ...                    |
| 0x01 | 0xFF | -                      |

**BANKSTICK PATCH**  
2 END ADR.

DEC.  
511

>>>

**BANKSTICK PATCH**  
3 START ADR.

DEC.  
512

>>>

| ADR (HEX)<br>HIGH BYTE | ADR (HEX)<br>LOW BYTE | VAR NAME (CONST VALUE)                 |
|------------------------|-----------------------|--|
| Bankstick Patch 3      | Bankstick Patch 3     |  |
| 0x02                   | 0x00                  | FINGERPRINT (BANKSTICK Patch 0x88)     |
| 0x02                   | 0x01                  | BANKSTICK PATCH NUMBER (0x03)          |
| 0x02                   | 0x02                  | PATCH NAME ASC 0                       |
| 0x02                   | 0x03                  | PATCH NAME ASC 1                       |
| 0x02                   | 0x04                  | PATCH NAME ASC 2                       |
| 0x02                   | 0x05                  | PATCH NAME ASC 3                       |
| 0x02                   | 0x06                  | PATCH NAME ASC 4                       |
| 0x02                   | 0x07                  | PATCH NAME ASC 5                       |
| 0x02                   | 0x08                  | PATCH NAME ASC 6                       |
| 0x02                   | 0x09                  | PATCH NAME ASC 7                       |
| 0x02                   | 0x0A                  | AY TONE A TUNE FINE USER               |
| 0x02                   | 0x0B                  | AY TONE B TUNE FINE USER               |
| 0x02                   | 0x0C                  | AY TONE C TUNE FINE USER               |
| 0x02                   | 0x0D                  | AY TONE A TUNE COARSE USER             |
| 0x02                   | 0x0E                  | AY TONE B TUNE COARSE USER             |
| 0x02                   | 0x0F                  | AY TONE C TUNE COARSE USER             |
| 0x02                   | 0x10                  | AY TONE A MIDI CHANNEL USER            |
| 0x02                   | 0x11                  | AY TONE B MIDI CHANNEL USER            |
| 0x02                   | 0x12                  | AY TONE C MIDI CHANNEL USER            |
| 0x02                   | 0x13                  | AY VELOCITY TO ABC NOISE PERIOD ON OFF |
| 0x02                   | 0x14                  | AY R6 NOISE PERIOD                     |
| 0x02                   | 0x15                  | AY R8 CH A AMPLITUDE                   |
| 0x02                   | 0x16                  | AY R9 CH B AMPLITUDE                   |
| 0x02                   | 0x17                  | AY R10 CH C AMPLITUDE                  |
| 0x02                   | 0x18                  | AY R11 ENV PERIOD FINE                 |
| 0x02                   | 0x19                  | AY R12 ENV PERIOD COARSE               |
| 0x02                   | 0x1A                  | ENV SHAPE 0 15 to 1 8 TRANSLATOR       |

|      |      |                                       |
|------|------|---------------------------------------|
| 0x02 | 0x1B | RAY TONE NOISE ABC USER ON OFF SWITCH |
| 0x02 | 0x1C | FX USER ON OFF ABC                    |
| 0x02 | 0x1D | FX FUNCTION POS0                      |
| 0x02 | 0x1E | FX FUNCTION POS1                      |
| 0x02 | 0x1F | FX FUNCTION POS2                      |
| 0x02 | 0x20 | FX FUNCTION POS3                      |
| 0x02 | 0x21 | FX FUNCTION POS4                      |
| 0x02 | 0x22 | FX FUNCTION POS5                      |
| 0x02 | 0x23 | FX FUNCTION POS6                      |
| 0x02 | 0x24 | FX FUNCTION POS7                      |
| 0x02 | 0x25 | FX FUNCTION POS8                      |
| 0x02 | 0x26 | FX FUNCTION POS9                      |
| 0x02 | 0x27 | FX FUNCTION POS10                     |
| 0x02 | 0x28 | FX FUNCTION POS11                     |
| 0x02 | 0x29 | FX FUNCTION POS12                     |
| 0x02 | 0x2A | FX FUNCTION POS13                     |
| 0x02 | 0x2B | FX FUNCTION POS14                     |
| 0x02 | 0x2C | FX FUNCTION POS15                     |
| 0x02 | 0x2D | FX FUNCTION POS16                     |
| 0x02 | 0x2E | FX FUNCTION POS17                     |
| 0x02 | 0x2F | FX FUNCTION POS18                     |
| 0x02 | 0x30 | FX FUNCTION POS19                     |
| 0x02 | 0x31 | FX FUNCTION POS20                     |
| 0x02 | 0x32 | FX FUNCTION POS21                     |
| 0x02 | 0x33 | FX FUNCTION POS22                     |
| 0x02 | 0x34 | FX FUNCTION POS23                     |
| 0x02 | 0x35 | FX FUNCTION POS24                     |
| 0x02 | 0x36 | FX FUNCTION POS25                     |
| 0x02 | 0x37 | FX FUNCTION POS26                     |
| 0x02 | 0x38 | FX FUNCTION POS27                     |
| 0x02 | 0x39 | FX FUNCTION POS28                     |
| 0x02 | 0x3A | FX FUNCTION POS29                     |
| 0x02 | 0x3B | FX FUNCTION POS30                     |
| 0x02 | 0x3C | FX FUNCTION POS31                     |
| 0x02 | 0x3D | FX FUNCTION DATA POS0                 |
| 0x02 | 0x3E | FX FUNCTION DATA POS1                 |
| 0x02 | 0x3F | FX FUNCTION DATA POS2                 |
| 0x02 | 0x40 | FX FUNCTION DATA POS3                 |
| 0x02 | 0x41 | FX FUNCTION DATA POS4                 |
| 0x02 | 0x42 | FX FUNCTION DATA POS5                 |
| 0x02 | 0x43 | FX FUNCTION DATA POS6                 |
| 0x02 | 0x44 | FX FUNCTION DATA POS7                 |
| 0x02 | 0x45 | FX FUNCTION DATA POS8                 |
| 0x02 | 0x46 | FX FUNCTION DATA POS9                 |
| 0x02 | 0x47 | FX FUNCTION DATA POS10                |
| 0x02 | 0x48 | FX FUNCTION DATA POS11                |
| 0x02 | 0x49 | FX FUNCTION DATA POS12                |
| 0x02 | 0x4A | FX FUNCTION DATA POS13                |
| 0x02 | 0x4B | FX FUNCTION DATA POS14                |
| 0x02 | 0x4C | FX FUNCTION DATA POS15                |
| 0x02 | 0x4D | FX FUNCTION DATA POS16                |
| 0x02 | 0x4E | FX FUNCTION DATA POS17                |
| 0x02 | 0x4F | FX FUNCTION DATA POS18                |
| 0x02 | 0x50 | FX FUNCTION DATA POS19                |
| 0x02 | 0x51 | FX FUNCTION DATA POS20                |
| 0x02 | 0x52 | FX FUNCTION DATA POS21                |
| 0x02 | 0x53 | FX FUNCTION DATA POS22                |
| 0x02 | 0x54 | FX FUNCTION DATA POS23                |
| 0x02 | 0x55 | FX FUNCTION DATA POS24                |
| 0x02 | 0x56 | FX FUNCTION DATA POS25                |
| 0x02 | 0x57 | FX FUNCTION DATA POS26                |
| 0x02 | 0x58 | FX FUNCTION DATA POS27                |
| 0x02 | 0x59 | FX FUNCTION DATA POS28                |
| 0x02 | 0x5A | FX FUNCTION DATA POS29                |
| 0x02 | 0x5B | FX FUNCTION DATA POS30                |
| 0x02 | 0x5C | FX FUNCTION DATA POS31                |
| 0x02 | 0x5D | FX FUNCTION TIME POS0                 |
| 0x02 | 0x5E | FX FUNCTION TIME POS1                 |
| 0x02 | 0x5F | FX FUNCTION TIME POS2                 |
| 0x02 | 0x60 | FX FUNCTION TIME POS3                 |
| 0x02 | 0x61 | FX FUNCTION TIME POS4                 |
| 0x02 | 0x62 | FX FUNCTION TIME POS5                 |
| 0x02 | 0x63 | FX FUNCTION TIME POS6                 |
| 0x02 | 0x64 | FX FUNCTION TIME POS7                 |
| 0x02 | 0x65 | FX FUNCTION TIME POS8                 |
| 0x02 | 0x66 | FX FUNCTION TIME POS9                 |
| 0x02 | 0x67 | FX FUNCTION TIME POS10                |
| 0x02 | 0x68 | FX FUNCTION TIME POS11                |
| 0x02 | 0x69 | FX FUNCTION TIME POS12                |
| 0x02 | 0x6A | FX FUNCTION TIME POS13                |
| 0x02 | 0x6B | FX FUNCTION TIME POS14                |
| 0x02 | 0x6C | FX FUNCTION TIME POS15                |
| 0x02 | 0x6D | FX FUNCTION TIME POS16                |
| 0x02 | 0x6E | FX FUNCTION TIME POS17                |
| 0x02 | 0x6F | FX FUNCTION TIME POS18                |
| 0x02 | 0x70 | FX FUNCTION TIME POS19                |
| 0x02 | 0x71 | FX FUNCTION TIME POS20                |
| 0x02 | 0x72 | FX FUNCTION TIME POS21                |
| 0x02 | 0x73 | FX FUNCTION TIME POS22                |
| 0x02 | 0x74 | FX FUNCTION TIME POS23                |
| 0x02 | 0x75 | FX FUNCTION TIME POS24                |
| 0x02 | 0x76 | FX FUNCTION TIME POS25                |
| 0x02 | 0x77 | FX FUNCTION TIME POS26                |
| 0x02 | 0x78 | FX FUNCTION TIME POS27                |
| 0x02 | 0x79 | FX FUNCTION TIME POS28                |
| 0x02 | 0x7A | FX FUNCTION TIME POS29                |
| 0x02 | 0x7B | FX FUNCTION TIME POS30                |
| 0x02 | 0x7C | FX FUNCTION TIME POS31                |
| 0x02 | 0x7D | -                                     |
| 0x02 | 0x7E | -                                     |
| 0x02 | 0x7F | -                                     |
| 0x02 | 0x80 | -                                     |
| 0x02 | 0x81 | -                                     |
| 0x02 | 0x82 | -                                     |
| 0x02 | 0x83 | -                                     |
| 0x02 | 0x84 | -                                     |
| 0x02 | 0x85 | -                                     |
| 0x02 | 0x86 | -                                     |
| 0x02 | 0x87 | -                                     |
| 0x02 | 0x88 | -                                     |

**BANKSTICK PATCH  
3 END ADR.**

**DEC.  
767**

|      |      |     |
|------|------|-----|
| 0x02 | 0x89 | -   |
| ...  | ...  | ... |
| 0x02 | 0xFF | -   |

**BANKSTICK PATCH  
127 START ADR.**

**DEC.  
32256**

| ADR (HEX)<br>HIGH BYTE | ADR (HEX)<br>LOW BYTE | VAR NAME (CONST VALUE)                 |
|------------------------|-----------------------|--|
| Bankstick Patch 127    | Bankstick Patch 127   |  |
| 0x7E                   | 0x00                  | FINGERPRINT (BANKSTICK Patch 0x88)     |
| 0x7E                   | 0x01                  | BANKSTICK PATCH NUMBER (0x7F)          |
| 0x7E                   | 0x02                  | PATCH NAME ASC 0                       |
| 0x7E                   | 0x03                  | PATCH NAME ASC 1                       |
| 0x7E                   | 0x04                  | PATCH NAME ASC 2                       |
| 0x7E                   | 0x05                  | PATCH NAME ASC 3                       |
| 0x7E                   | 0x06                  | PATCH NAME ASC 4                       |
| 0x7E                   | 0x07                  | PATCH NAME ASC 5                       |
| 0x7E                   | 0x08                  | PATCH NAME ASC 6                       |
| 0x7E                   | 0x09                  | PATCH NAME ASC 7                       |
| 0x7E                   | 0x0A                  | AY TONE A TUNE FINE USER               |
| 0x7E                   | 0x0B                  | AY TONE B TUNE FINE USER               |
| 0x7E                   | 0x0C                  | AY TONE C TUNE FINE USER               |
| 0x7E                   | 0x0D                  | AY TONE A TUNE COARSE USER             |
| 0x7E                   | 0x0E                  | AY TONE B TUNE COARSE USER             |
| 0x7E                   | 0x0F                  | AY TONE C TUNE COARSE USER             |
| 0x7E                   | 0x10                  | AY TONE A MIDI CHANNEL USER            |
| 0x7E                   | 0x11                  | AY TONE B MIDI CHANNEL USER            |
| 0x7E                   | 0x12                  | AY TONE C MIDI CHANNEL USER            |
| 0x7E                   | 0x13                  | AY VELOCITY TO ABC NOISE PERIOD ON OFF |
| 0x7E                   | 0x14                  | AY R6 NOISE PERIOD                     |
| 0x7E                   | 0x15                  | AY R8 CH A AMPLITUDE                   |
| 0x7E                   | 0x16                  | AY R9 CH B AMPLITUDE                   |
| 0x7E                   | 0x17                  | AY R10 CH C AMPLITUDE                  |
| 0x7E                   | 0x18                  | AY R11 ENV PERIOD FINE                 |
| 0x7E                   | 0x19                  | AY R12 ENV PERIOD COARSE               |
| 0x7E                   | 0x1A                  | ENV SHAPE 0 15 to 1 8 TRANSLATOR       |
| 0x7E                   | 0x1B                  | AY TONE NOISE ABC USER ON OFF SWITCH   |
| 0x7E                   | 0x1C                  | FX USER ON OFF ABC                     |
| 0x7E                   | 0x1D                  | FX FUNCTION POS0                       |
| 0x7E                   | 0x1E                  | FX FUNCTION POS1                       |
| 0x7E                   | 0x1F                  | FX FUNCTION POS2                       |
| 0x7E                   | 0x20                  | FX FUNCTION POS3                       |
| 0x7E                   | 0x21                  | FX FUNCTION POS4                       |
| 0x7E                   | 0x22                  | FX FUNCTION POS5                       |
| 0x7E                   | 0x23                  | FX FUNCTION POS6                       |
| 0x7E                   | 0x24                  | FX FUNCTION POS7                       |
| 0x7E                   | 0x25                  | FX FUNCTION POS8                       |
| 0x7E                   | 0x26                  | FX FUNCTION POS9                       |
| 0x7E                   | 0x27                  | FX FUNCTION POS10                      |
| 0x7E                   | 0x28                  | FX FUNCTION POS11                      |
| 0x7E                   | 0x29                  | FX FUNCTION POS12                      |
| 0x7E                   | 0x2A                  | FX FUNCTION POS13                      |
| 0x7E                   | 0x2B                  | FX FUNCTION POS14                      |
| 0x7E                   | 0x2C                  | FX FUNCTION POS15                      |
| 0x7E                   | 0x2D                  | FX FUNCTION POS16                      |
| 0x7E                   | 0x2E                  | FX FUNCTION POS17                      |
| 0x7E                   | 0x2F                  | FX FUNCTION POS18                      |
| 0x7E                   | 0x30                  | FX FUNCTION POS19                      |
| 0x7E                   | 0x31                  | FX FUNCTION POS20                      |
| 0x7E                   | 0x32                  | FX FUNCTION POS21                      |
| 0x7E                   | 0x33                  | FX FUNCTION POS22                      |
| 0x7E                   | 0x34                  | FX FUNCTION POS23                      |
| 0x7E                   | 0x35                  | FX FUNCTION POS24                      |
| 0x7E                   | 0x36                  | FX FUNCTION POS25                      |
| 0x7E                   | 0x37                  | FX FUNCTION POS26                      |
| 0x7E                   | 0x38                  | FX FUNCTION POS27                      |
| 0x7E                   | 0x39                  | FX FUNCTION POS28                      |
| 0x7E                   | 0x3A                  | FX FUNCTION POS29                      |
| 0x7E                   | 0x3B                  | FX FUNCTION POS30                      |
| 0x7E                   | 0x3C                  | FX FUNCTION POS31                      |
| 0x7E                   | 0x3D                  | FX FUNCTION DATA POS0                  |
| 0x7E                   | 0x3E                  | FX FUNCTION DATA POS1                  |
| 0x7E                   | 0x3F                  | FX FUNCTION DATA POS2                  |
| 0x7E                   | 0x40                  | FX FUNCTION DATA POS3                  |
| 0x7E                   | 0x41                  | FX FUNCTION DATA POS4                  |
| 0x7E                   | 0x42                  | FX FUNCTION DATA POS5                  |
| 0x7E                   | 0x43                  | FX FUNCTION DATA POS6                  |
| 0x7E                   | 0x44                  | FX FUNCTION DATA POS7                  |
| 0x7E                   | 0x45                  | FX FUNCTION DATA POS8                  |
| 0x7E                   | 0x46                  | FX FUNCTION DATA POS9                  |
| 0x7E                   | 0x47                  | FX FUNCTION DATA POS10                 |
| 0x7E                   | 0x48                  | FX FUNCTION DATA POS11                 |
| 0x7E                   | 0x49                  | FX FUNCTION DATA POS12                 |
| 0x7E                   | 0x4A                  | FX FUNCTION DATA POS13                 |
| 0x7E                   | 0x4B                  | FX FUNCTION DATA POS14                 |
| 0x7E                   | 0x4C                  | FX FUNCTION DATA POS15                 |
| 0x7E                   | 0x4D                  | FX FUNCTION DATA POS16                 |
| 0x7E                   | 0x4E                  | FX FUNCTION DATA POS17                 |
| 0x7E                   | 0x4F                  | FX FUNCTION DATA POS18                 |
| 0x7E                   | 0x50                  | FX FUNCTION DATA POS19                 |
| 0x7E                   | 0x51                  | FX FUNCTION DATA POS20                 |
| 0x7E                   | 0x52                  | FX FUNCTION DATA POS21                 |
| 0x7E                   | 0x53                  | FX FUNCTION DATA POS22                 |
| 0x7E                   | 0x54                  | FX FUNCTION DATA POS23                 |
| 0x7E                   | 0x55                  | FX FUNCTION DATA POS24                 |
| 0x7E                   | 0x56                  | FX FUNCTION DATA POS25                 |
| 0x7E                   | 0x57                  | FX FUNCTION DATA POS26                 |
| 0x7E                   | 0x58                  | FX FUNCTION DATA POS27                 |
| 0x7E                   | 0x59                  | FX FUNCTION DATA POS28                 |
| 0x7E                   | 0x5A                  | FX FUNCTION DATA POS29                 |
| 0x7E                   | 0x5B                  | FX FUNCTION DATA POS30                 |
| 0x7E                   | 0x5C                  | FX FUNCTION DATA POS31                 |
| 0x7E                   | 0x5D                  | FX FUNCTION TIME POS0                  |
| 0x7E                   | 0x5E                  | FX FUNCTION TIME POS1                  |
| 0x7E                   | 0x5F                  | FX FUNCTION TIME POS2                  |
| 0x7E                   | 0x60                  | FX FUNCTION TIME POS3                  |
| 0x7E                   | 0x61                  | FX FUNCTION TIME POS4                  |

|      |      |                        |
|------|------|------------------------|
| 0x7E | 0x62 | FX_FUNCTION_TIME_POS5  |
| 0x7E | 0x63 | FX_FUNCTION_TIME_POS6  |
| 0x7E | 0x64 | FX_FUNCTION_TIME_POS7  |
| 0x7E | 0x65 | FX_FUNCTION_TIME_POS8  |
| 0x7E | 0x66 | FX_FUNCTION_TIME_POS9  |
| 0x7E | 0x67 | FX_FUNCTION_TIME_POS10 |
| 0x7E | 0x68 | FX_FUNCTION_TIME_POS11 |
| 0x7E | 0x69 | FX_FUNCTION_TIME_POS12 |
| 0x7E | 0x6A | FX_FUNCTION_TIME_POS13 |
| 0x7E | 0x6B | FX_FUNCTION_TIME_POS14 |
| 0x7E | 0x6C | FX_FUNCTION_TIME_POS15 |
| 0x7E | 0x6D | FX_FUNCTION_TIME_POS16 |
| 0x7E | 0x6E | FX_FUNCTION_TIME_POS17 |
| 0x7E | 0x6F | FX_FUNCTION_TIME_POS18 |
| 0x7E | 0x70 | FX_FUNCTION_TIME_POS19 |
| 0x7E | 0x71 | FX_FUNCTION_TIME_POS20 |
| 0x7E | 0x72 | FX_FUNCTION_TIME_POS21 |
| 0x7E | 0x73 | FX_FUNCTION_TIME_POS22 |
| 0x7E | 0x74 | FX_FUNCTION_TIME_POS23 |
| 0x7E | 0x75 | FX_FUNCTION_TIME_POS24 |
| 0x7E | 0x76 | FX_FUNCTION_TIME_POS25 |
| 0x7E | 0x77 | FX_FUNCTION_TIME_POS26 |
| 0x7E | 0x78 | FX_FUNCTION_TIME_POS27 |
| 0x7E | 0x79 | FX_FUNCTION_TIME_POS28 |
| 0x7E | 0x7A | FX_FUNCTION_TIME_POS29 |
| 0x7E | 0x7B | FX_FUNCTION_TIME_POS30 |
| 0x7E | 0x7C | FX_FUNCTION_TIME_POS31 |
| 0x7E | 0x7D | -                      |
| 0x7E | 0x7E | -                      |
| 0x7E | 0x7F | -                      |
| 0x7E | 0x80 | -                      |
| 0x7E | 0x81 | -                      |
| 0x7E | 0x82 | -                      |
| 0x7E | 0x83 | -                      |
| 0x7E | 0x84 | -                      |
| 0x7E | 0x85 | -                      |
| 0x7E | 0x86 | -                      |
| 0x7E | 0x87 | -                      |
| 0x7E | 0x88 | -                      |
| 0x7E | 0x89 | -                      |
| ...  | ...  | ...                    |
| 0x7E | 0xFF | -                      |

**BANKSTICK PATCH**  
127 END ADR. >

**DEC.**  
32511 >>



RAM ADR (FX) >>> Patch (FX)

| NAME                   | PIC RAM ADR |       | PIC EEPROM | BSTCK Dec. | BSTCK Hex |
|------------------------|-------------|-------|------------|------------|-----------|
| FX_FUNCTION_POS0       | 0x220       | ====> | 32         | 29         | 0x1D      |
| FX_FUNCTION_POS1       | 0x221       | ====> | 33         | 30         | 0x1E      |
| FX_FUNCTION_POS2       | 0x222       | ====> | 34         | 31         | 0x1F      |
| FX_FUNCTION_POS3       | 0x223       | ====> | 35         | 32         | 0x20      |
| FX_FUNCTION_POS4       | 0x224       | ====> | 36         | 33         | 0x21      |
| FX_FUNCTION_POS5       | 0x225       | ====> | 37         | 34         | 0x22      |
| FX_FUNCTION_POS6       | 0x226       | ====> | 38         | 35         | 0x23      |
| FX_FUNCTION_POS7       | 0x227       | ====> | 39         | 36         | 0x24      |
| FX_FUNCTION_POS8       | 0x228       | ====> | 40         | 37         | 0x25      |
| FX_FUNCTION_POS9       | 0x229       | ====> | 41         | 38         | 0x26      |
| FX_FUNCTION_POS10      | 0x22A       | ====> | 42         | 39         | 0x27      |
| FX_FUNCTION_POS11      | 0x22B       | ====> | 43         | 40         | 0x28      |
| FX_FUNCTION_POS12      | 0x22C       | ====> | 44         | 41         | 0x29      |
| FX_FUNCTION_POS13      | 0x22D       | ====> | 45         | 42         | 0x2A      |
| FX_FUNCTION_POS14      | 0x22E       | ====> | 46         | 43         | 0x2B      |
| FX_FUNCTION_POS15      | 0x22F       | ====> | 47         | 44         | 0x2C      |
| FX_FUNCTION_POS16      | 0x230       | ====> | 48         | 45         | 0x2D      |
| FX_FUNCTION_POS17      | 0x231       | ====> | 49         | 46         | 0x2E      |
| FX_FUNCTION_POS18      | 0x232       | ====> | 50         | 47         | 0x2F      |
| FX_FUNCTION_POS19      | 0x233       | ====> | 51         | 48         | 0x30      |
| FX_FUNCTION_POS20      | 0x234       | ====> | 52         | 49         | 0x31      |
| FX_FUNCTION_POS21      | 0x235       | ====> | 53         | 50         | 0x32      |
| FX_FUNCTION_POS22      | 0x236       | ====> | 54         | 51         | 0x33      |
| FX_FUNCTION_POS23      | 0x237       | ====> | 55         | 52         | 0x34      |
| FX_FUNCTION_POS24      | 0x238       | ====> | 56         | 53         | 0x35      |
| FX_FUNCTION_POS25      | 0x239       | ====> | 57         | 54         | 0x36      |
| FX_FUNCTION_POS26      | 0x23A       | ====> | 58         | 55         | 0x37      |
| FX_FUNCTION_POS27      | 0x23B       | ====> | 59         | 56         | 0x38      |
| FX_FUNCTION_POS28      | 0x23C       | ====> | 60         | 57         | 0x39      |
| FX_FUNCTION_POS29      | 0x23D       | ====> | 61         | 58         | 0x3A      |
| FX_FUNCTION_POS30      | 0x23E       | ====> | 62         | 59         | 0x3B      |
| FX_FUNCTION_POS31      | 0x23F       | ====> | 63         | 60         | 0x3C      |
| FX_FUNCTION_DATA_POS0  | 0x240       | ====> | 64         | 61         | 0x3D      |
| FX_FUNCTION_DATA_POS1  | 0x241       | ====> | 65         | 62         | 0x3E      |
| FX_FUNCTION_DATA_POS2  | 0x242       | ====> | 66         | 63         | 0x3F      |
| FX_FUNCTION_DATA_POS3  | 0x243       | ====> | 67         | 64         | 0x40      |
| FX_FUNCTION_DATA_POS4  | 0x244       | ====> | 68         | 65         | 0x41      |
| FX_FUNCTION_DATA_POS5  | 0x245       | ====> | 69         | 66         | 0x42      |
| FX_FUNCTION_DATA_POS6  | 0x246       | ====> | 70         | 67         | 0x43      |
| FX_FUNCTION_DATA_POS7  | 0x247       | ====> | 71         | 68         | 0x44      |
| FX_FUNCTION_DATA_POS8  | 0x248       | ====> | 72         | 69         | 0x45      |
| FX_FUNCTION_DATA_POS9  | 0x249       | ====> | 73         | 70         | 0x46      |
| FX_FUNCTION_DATA_POS10 | 0x24A       | ====> | 74         | 71         | 0x47      |
| FX_FUNCTION_DATA_POS11 | 0x24B       | ====> | 75         | 72         | 0x48      |
| FX_FUNCTION_DATA_POS12 | 0x24C       | ====> | 76         | 73         | 0x49      |
| FX_FUNCTION_DATA_POS13 | 0x24D       | ====> | 77         | 74         | 0x4A      |
| FX_FUNCTION_DATA_POS14 | 0x24E       | ====> | 78         | 75         | 0x4B      |
| FX_FUNCTION_DATA_POS15 | 0x24F       | ====> | 79         | 76         | 0x4C      |
| FX_FUNCTION_DATA_POS16 | 0x250       | ====> | 80         | 77         | 0x4D      |
| FX_FUNCTION_DATA_POS17 | 0x251       | ====> | 81         | 78         | 0x4E      |
| FX_FUNCTION_DATA_POS18 | 0x252       | ====> | 82         | 79         | 0x4F      |
| FX_FUNCTION_DATA_POS19 | 0x253       | ====> | 83         | 80         | 0x50      |
| FX_FUNCTION_DATA_POS20 | 0x254       | ====> | 84         | 81         | 0x51      |
| FX_FUNCTION_DATA_POS21 | 0x255       | ====> | 85         | 82         | 0x52      |
| FX_FUNCTION_DATA_POS22 | 0x256       | ====> | 86         | 83         | 0x53      |
| FX_FUNCTION_DATA_POS23 | 0x257       | ====> | 87         | 84         | 0x54      |
| FX_FUNCTION_DATA_POS24 | 0x258       | ====> | 88         | 85         | 0x55      |
| FX_FUNCTION_DATA_POS25 | 0x259       | ====> | 89         | 86         | 0x56      |
| FX_FUNCTION_DATA_POS26 | 0x25A       | ====> | 90         | 87         | 0x57      |
| FX_FUNCTION_DATA_POS27 | 0x25B       | ====> | 91         | 88         | 0x58      |
| FX_FUNCTION_DATA_POS28 | 0x25C       | ====> | 92         | 89         | 0x59      |
| FX_FUNCTION_DATA_POS29 | 0x25D       | ====> | 93         | 90         | 0x5A      |
| FX_FUNCTION_DATA_POS30 | 0x25E       | ====> | 94         | 91         | 0x5B      |
| FX_FUNCTION_DATA_POS31 | 0x25F       | ====> | 95         | 92         | 0x5C      |
| FX_FUNCTION_TIME_POS0  | 0x260       | ====> | 96         | 93         | 0x5D      |
| FX_FUNCTION_TIME_POS1  | 0x261       | ====> | 97         | 94         | 0x5E      |
| FX_FUNCTION_TIME_POS2  | 0x262       | ====> | 98         | 95         | 0x5F      |
| FX_FUNCTION_TIME_POS3  | 0x263       | ====> | 99         | 96         | 0x60      |
| FX_FUNCTION_TIME_POS4  | 0x264       | ====> | 100        | 97         | 0x61      |
| FX_FUNCTION_TIME_POS5  | 0x265       | ====> | 101        | 98         | 0x62      |
| FX_FUNCTION_TIME_POS6  | 0x266       | ====> | 102        | 99         | 0x63      |
| FX_FUNCTION_TIME_POS7  | 0x267       | ====> | 103        | 100        | 0x64      |
| FX_FUNCTION_TIME_POS8  | 0x268       | ====> | 104        | 101        | 0x65      |
| FX_FUNCTION_TIME_POS9  | 0x269       | ====> | 105        | 102        | 0x66      |
| FX_FUNCTION_TIME_POS10 | 0x26A       | ====> | 106        | 103        | 0x67      |
| FX_FUNCTION_TIME_POS11 | 0x26B       | ====> | 107        | 104        | 0x68      |
| FX_FUNCTION_TIME_POS12 | 0x26C       | ====> | 108        | 105        | 0x69      |
| FX_FUNCTION_TIME_POS13 | 0x26D       | ====> | 109        | 106        | 0x6A      |
| FX_FUNCTION_TIME_POS14 | 0x26E       | ====> | 110        | 107        | 0x6B      |
| FX_FUNCTION_TIME_POS15 | 0x26F       | ====> | 111        | 108        | 0x6C      |
| FX_FUNCTION_TIME_POS16 | 0x270       | ====> | 112        | 109        | 0x6D      |
| FX_FUNCTION_TIME_POS17 | 0x271       | ====> | 113        | 110        | 0x6E      |
| FX_FUNCTION_TIME_POS18 | 0x272       | ====> | 114        | 111        | 0x6F      |
| FX_FUNCTION_TIME_POS19 | 0x273       | ====> | 115        | 112        | 0x70      |
| FX_FUNCTION_TIME_POS20 | 0x274       | ====> | 116        | 113        | 0x71      |
| FX_FUNCTION_TIME_POS21 | 0x275       | ====> | 117        | 114        | 0x72      |

|                        |       |       |     |     |      |
|------------------------|-------|-------|-----|-----|------|
| FX_FUNCTION_TIME_POS22 | 0x276 | ====> | 118 | 115 | 0x73 |
| FX_FUNCTION_TIME_POS23 | 0x277 | ====> | 119 | 116 | 0x74 |
| FX_FUNCTION_TIME_POS24 | 0x278 | ====> | 120 | 117 | 0x75 |
| FX_FUNCTION_TIME_POS25 | 0x279 | ====> | 121 | 118 | 0x76 |
| FX_FUNCTION_TIME_POS26 | 0x27A | ====> | 122 | 119 | 0x77 |
| FX_FUNCTION_TIME_POS27 | 0x27B | ====> | 123 | 120 | 0x78 |
| FX_FUNCTION_TIME_POS28 | 0x27C | ====> | 124 | 121 | 0x79 |
| FX_FUNCTION_TIME_POS29 | 0x27D | ====> | 125 | 122 | 0x7A |
| FX_FUNCTION_TIME_POS30 | 0x27E | ====> | 126 | 123 | 0x7B |
| FX_FUNCTION TIME POS31 | 0x27F | ====> | 127 | 124 | 0x7C |