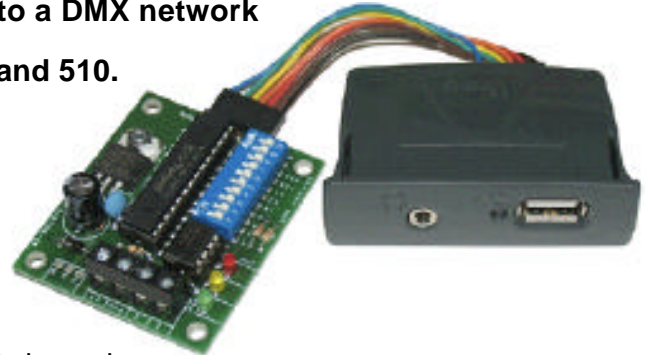# *DMX MP3 VMusic2 Player*

Overview

The DMX MP3 VMusic 2 Player provides up to 32- sound tracks of playback with volume control when connected to a DMX network

The board Base Address may be set between 1 and 510.

Playback, Stop, Pause and Resume functions
Select any one of up to 32 MP3 recordings
Select to control the volume either with the left and right channels
ganged (3 DMX channel operation) or separately (4 DMX channel operation). (NOTE: due to the restrictions of the VMusic2 Player , the volume levels cannot be updated more than once every 0.5 seconds.

Connections
DMX: 2-way terminal block- DMX connections 2 and 3
Power: 2-way terminal block- requires 9 Vdc at 0.5 A DC
VMusic2: 7-way header to match to the VMusic2 serial interface connector

Command Syntax
The DMX- VMusic2 interface requires 3 or 4 consecutive control channels.

Base Address Selection
The Base Address is read continuously and may be set from 1 to 510
The base address is calculated by adding the values associated with each DIP switch that is set to ON
Address 0 is treated as being 1

Power LED
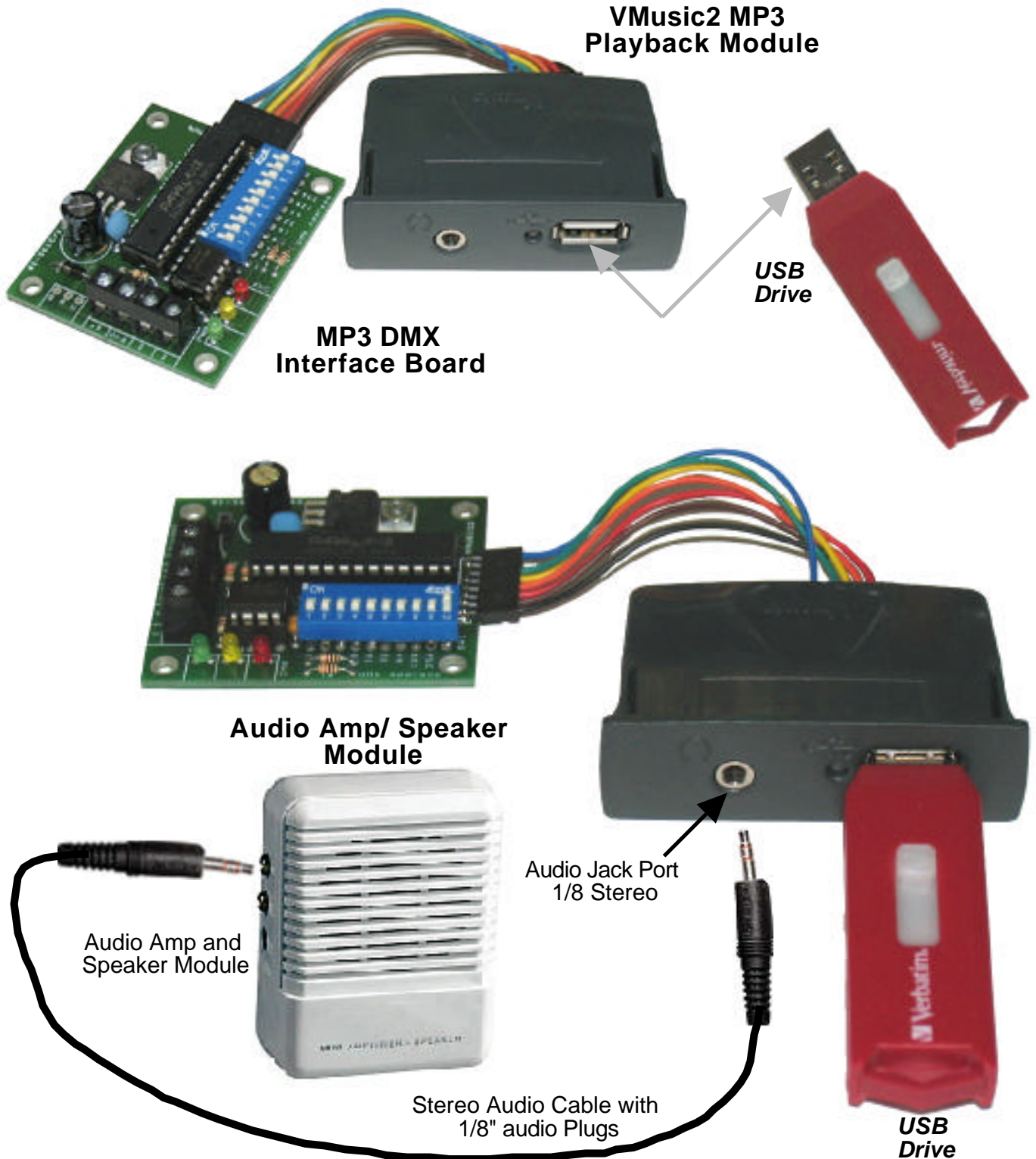Correct power applied- Solid Green
DMX Status LED
Receiving valid DMX signal- Solid Red, No DMX signal, Flashing Red
Track Playing LED (yellow)

Channel 1- Command Byte
Value   Operation - Playback
0-63   Stop
64-191   Play or resume currently selected track
192-255 Pause

Channel 2- Audio Select Tracks 1-32
Value   Audio Track Numbers
0-7   001.MP3 - Sound No 1
8-15   002.MP3 - Sound No 2
16-23   003.MP3 - Sound No 3
248- 255 032.mp3   - Sound No 23

Channel 3-
If SW10 is set to ON
Value   Operation - Volume
0-255   Volume for both the Left and Right channels
(0 is Mute)

If SW10 is set to OFF
Value   Operation - Volume
0-255   Volume for the Left channel
(0 is Mute)

Channel 4-
If SW10 is set to OFF
Value   Operation - Volume
0-255   Volume for the Right channel
(0 is Mute)

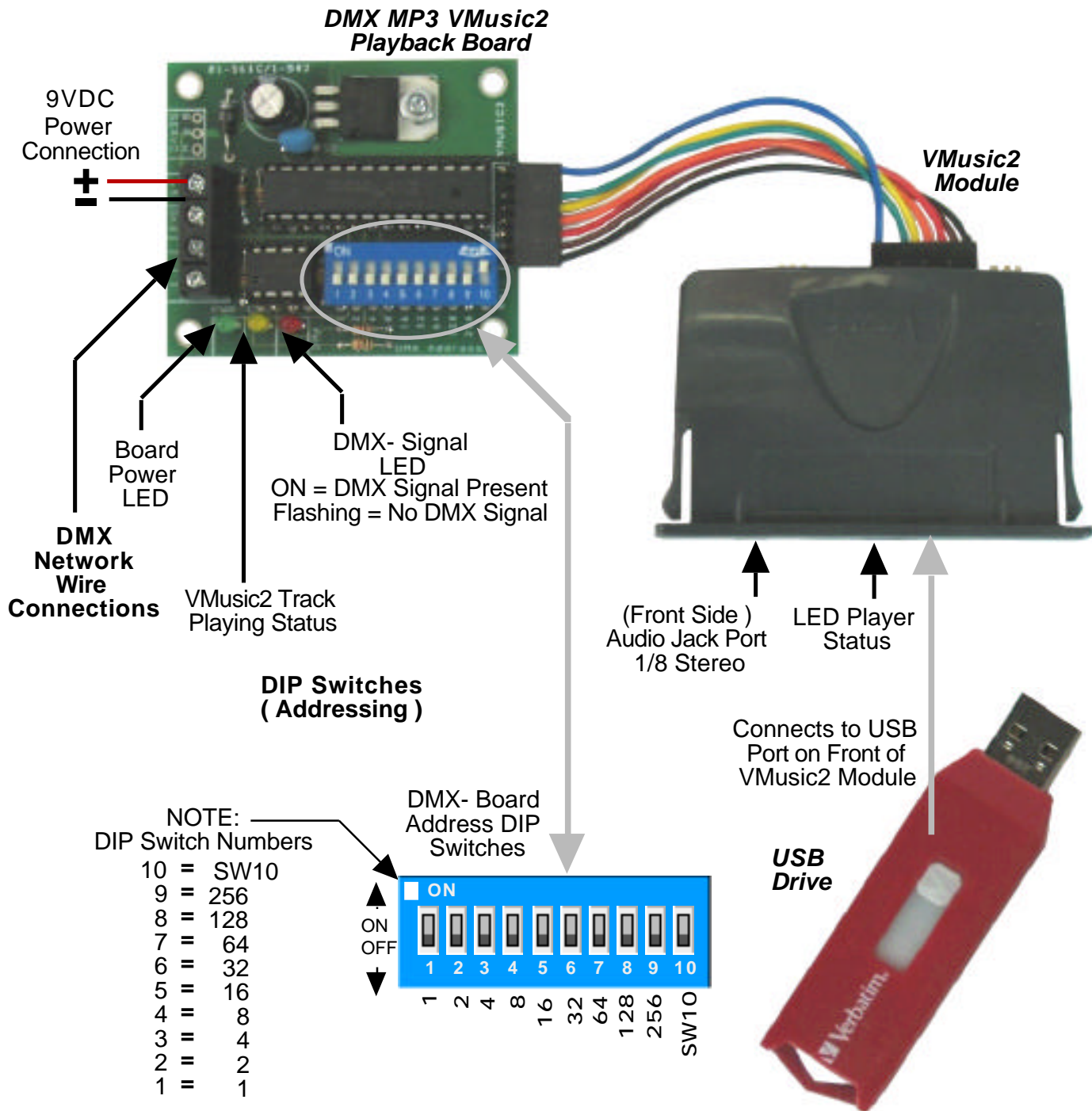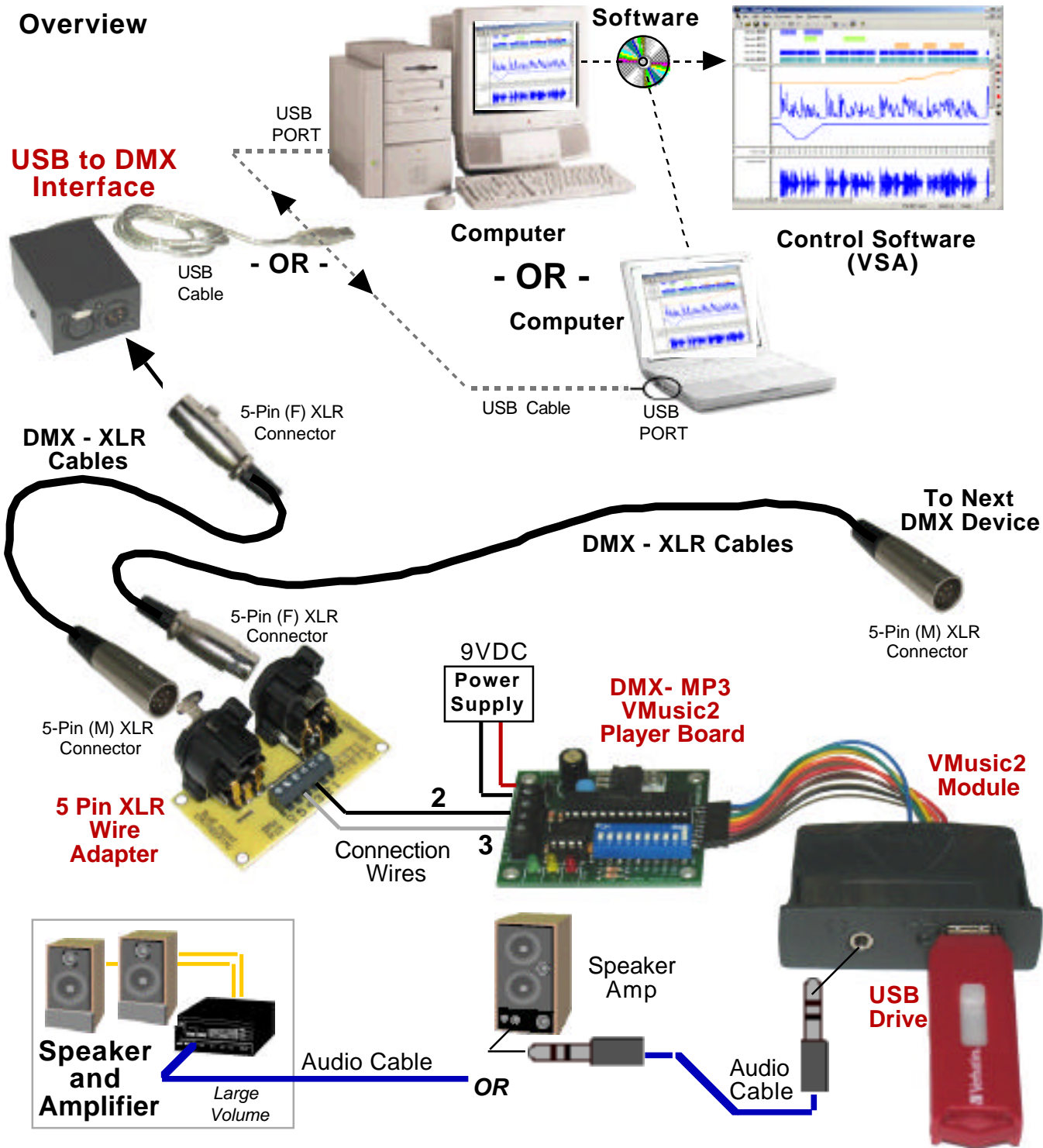# *DMX MP3 VMusic2 Player*

Overview

**VMusic2 MP3
Playback Module**

*USB
Drive*

**MP3 DMX
Interface Board**

**Audio Amp/ Speaker
Module**

Audio Jack Port
1/8 Stereo

Audio Amp and
Speaker Module

Stereo Audio Cable with
1/8" audio Plugs

*USB
Drive*

DMX MP3 VMusic2 Player

Overview

**DMX MP3 VMusic2
Playback Board**

9VDC
Power
Connection

**+
—**

*VMusic2
Module*

Board
Power
LED

DMX- Signal
LED
ON = DMX Signal Present
Flashing = No DMX Signal

**DMX
Network
Wire
Connections**

VMusic2 Track
Playing Status

**DIP Switches
(Addressing)**

(Front Side)
Audio Jack Port
1/8 Stereo

LED Player
Status

Connects to USB
Port on Front of
VMusic2 Module

NOTE:
DIP Switch Numbers

DMX- Board
Address DIP
Switches

DIP Switch	Value
10 =	SW10
9 =	256
8 =	128
7 =	64
6 =	32
5 =	16
4 =	8
3 =	4
2 =	2
1 =	1

ON

ON
OFF

1 2 3 4 5 6 7 8 9 10

1 2 4 8 16 32 64 128 256 SW10

*USB
Drive*

DMX MP3 VMusic2 Player

Overview

Software

USB
PORT

Computer

- OR -

**Control Software
(VSA)**

**USB to DMX
Interface**

USB
Cable

- OR -

- OR -

Computer

USB Cable

USB
PORT

**DMX - XLR
Cables**

5-Pin (F) XLR
Connector

**To Next
DMX Device**

DMX - XLR Cables

5-Pin (M) XLR
Connector

5-Pin (F) XLR
Connector

9VDC

**Power
Supply**

**DMX- MP3
VMusic2
Player Board**

**VMusic2
Module**

5-Pin (M) XLR
Connector

**5 Pin XLR
Wire
Adapter**

2

3

Connection
Wires

**USB
Drive**

**Speaker
and
Amplifier**

*Large
Volume*

Audio Cable

Speaker
Amp

OR

Audio
Cable

DMX MP3 VMusic2 Player

**Wall Plug Power Supply
9 Vdc @ 1 Amp**

Power Connection

Cable to
MP3
VMusic2
Module

**Board Power
Connections**

2

3

DMX Network Connection

DMX -Network
Wire Terminal
Block

DMX-XLR
Wire

White = 3
Black = 2

**5- Pin
XLR Cable**

5-Pin (M) XLR
Connector

M

F

5-Pin (F) XLR
Connector
To DMX Controller

**XLR
Connection**

**5 Pin XLR Wire
Adapter**

2

3

Connection Wires

DMX MP3 VMusic2 Player
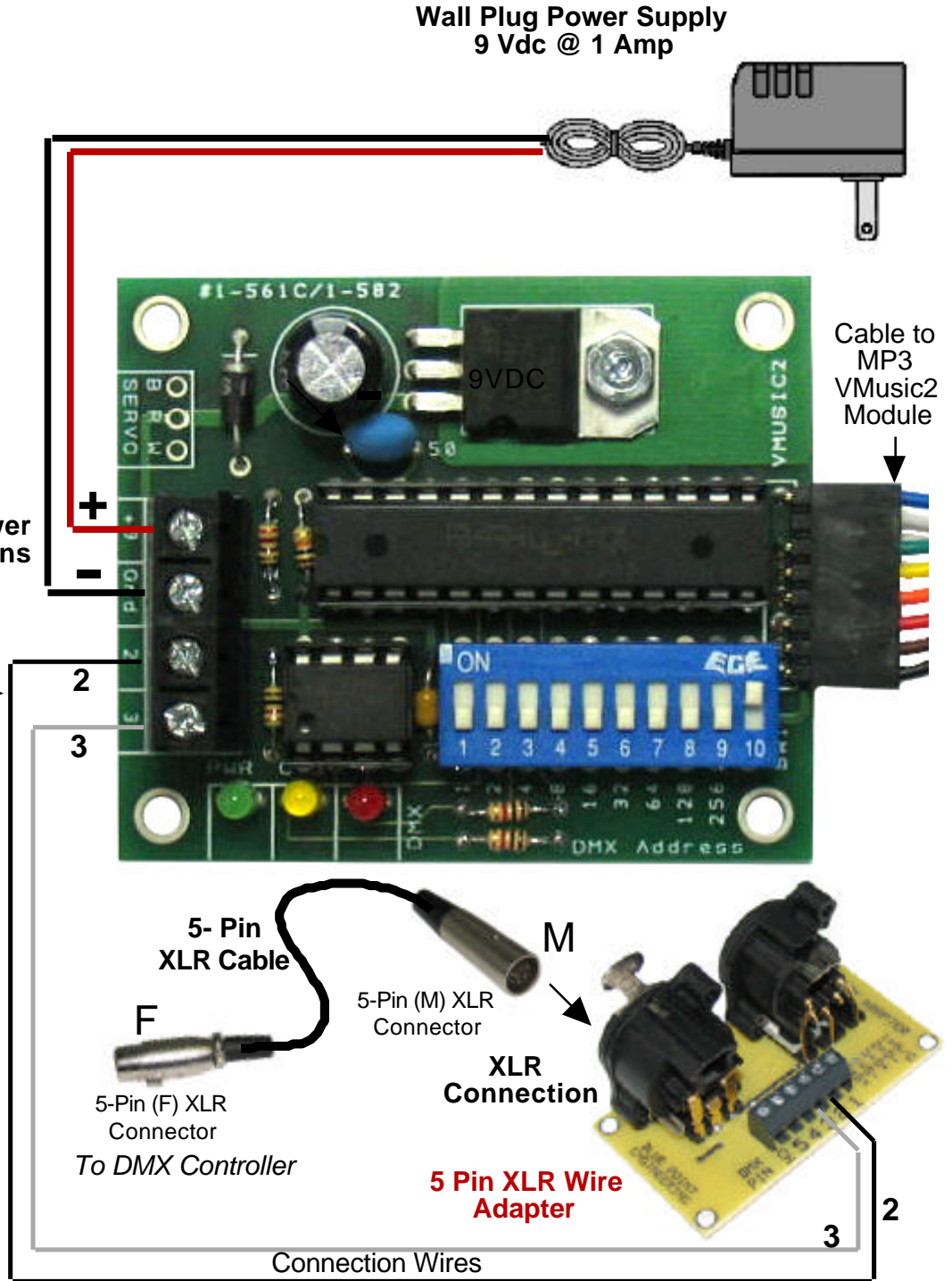
Board Address
DMX - Values

Overview

DIP Switches
(Addressing)

16+32 = 48

Switch Number
Switch Position (ON or OFF)
Switch Value

OFF

SW10
256
128
64
32
16
8
4
2
1

ON
ON

ON   OFF
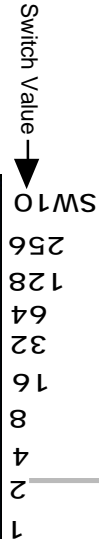
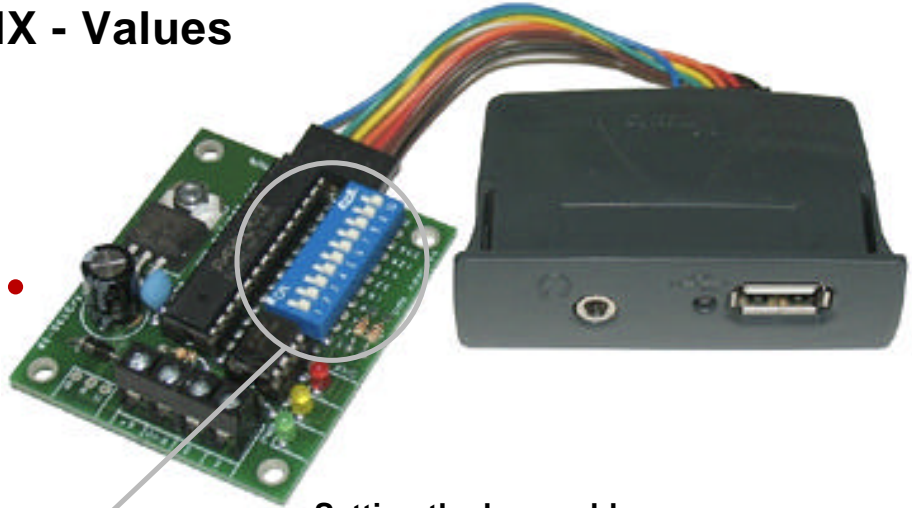**Base address selectable between 1 and 510**

Address 0 is treated as being 1

Setting the base address:
Add the value of the address DIP switches set to the **ON** position to calculate the base address.
Example: DIP switches 5 and 6 set to **ON** position, the base address is now 48, (16+32) this setting is used to determine the starting address output of Channel-1, the next Channel would be address 49 for Channel-2, and the next 50 for Channel-3, 51 for Channel-4.

CHANNEL-1
Command Byte

Value	Playback Functions
0-63 =	Stop
64-191 =	Play or resume currently track
192-255 =	Pause

CHANNEL-3
Command Byte   ● If SW10 is Set to ON

Value	Operation - Volume
0-255 (0 is Mute)	Volume for both the Left and Right Audio Channels

0-255 (0 is Mute)	● If SW10 is Set to OFF Volume for Left Audio Channels

CHANNEL-2   (See Track Chart for full Listing)
Command Byte

Value	Sound Track Number
0-7 =	001.MP3 (Sound FX Track - 1)
8-15 =	002.MP3 (Sound FX Track - 2)
16-23 =	003.MP3 (Sound FX Track - 3)

CHANNEL-4
Command Byte   ● If SW10 is Set to OFF

Value	Operation Volume
0-255 (0 is Mute)	Volume for Right Audio Channels

Command Syntax
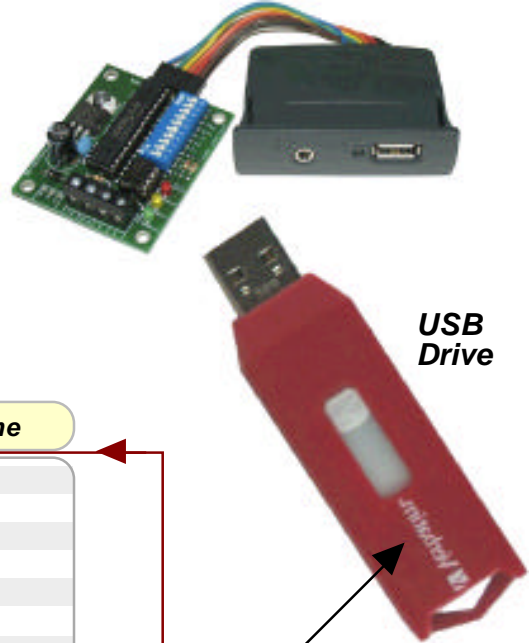Base address is read continously
and may be set from 1 to 510

The DMX-VMusic2 Interface requires 3 or 4 consecutive control channels.

Channel-1 = Operation- Stop, Play, Pause
Channel-2 = Track (001.MP3, 002.MP3, 003.MP3...... ... . 032.MP3)
Channel-3 = Operation- (SW10- ON) - Volume control for both Left and Right Audio Channels)
Channel-3 = Operation- (SW10- OFF)- Volume control for Left Audio Channels)
Channel-4 = Operation- (SW10- OFF)- Volume control for Right Audio Channels)

DMX MP3 VMusic2 Player Board

Overview

Note: The Sound Files must be named as shown below, or they will not work with the MP3 Player when operated.

DMX Control Channel - 2
Command Syntax

USB Drive

| Audio Track	Command Byte Value	Track Name
SFX Track - 1	0 - 7	001.MP3
SFX Track - 2	8 - 15	002.MP3
SFX Track - 3	16 - 23	003.MP3
SFX Track - 4	24 - 31	004.MP3
SFX Track - 5	32 - 39	005.MP3
SFX Track - 6	40 - 47	006.MP3
SFX Track - 7	48 - 55	007.MP3
SFX Track - 8	56 - 63	008.MP3
SFX Track - 9	64 - 71	009.MP3
SFX Track -10	72 - 79	010.MP3
SFX Track -11	80 - 87	011.MP3
SFX Track -12	88 - 95	012.MP3
SFX Track -13	96 - 103	013.MP3
SFX Track -14	104 - 111	014.MP3
SFX Track -15	112 - 119	015.MP3
SFX Track- 16	120 - 127	016.MP3
SFX Track -17	128 - 135	017.MP3
SFX Track -18	136 - 143	018.MP3
SFX Track -19	144 - 151	019.MP3
SFX Track -20	152 - 159	020.MP3
SFX Track- 21	160 - 167	021.MP3
SFX Track- 22	168 - 175	022.MP3
SFX Track- 23	176 - 183	023.MP3
SFX Track- 24	184 - 191	024.MP3
SFX Track -25	192 - 199	025.MP3
SFX Track- 26	200 - 207	026.MP3
SFX Track- 27	208 - 215	027.MP3
SFX Track- 28	216 - 223	028.MP3
SFX Track- 29	224 - 231	029.MP3
SFX Track -30	232 - 239	030.MP3
SFX Track- 31	240 - 247	031.MP3
SFX Track- 32	248 - 255	032.MP3

Track Name Syntax on Root Directory of USB Drive

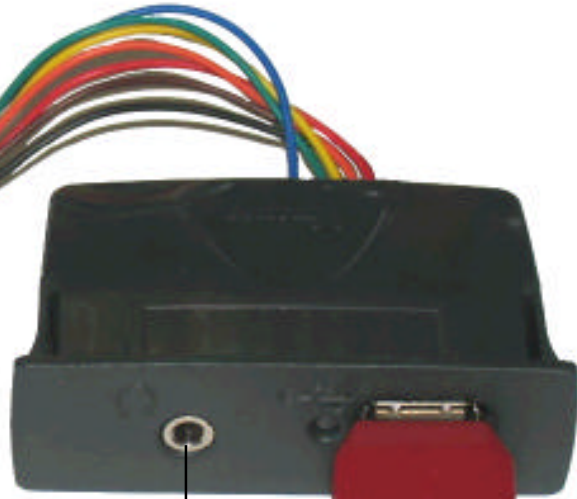*The optional software program "Audacity" can be used to work with MP3 Audio Files*
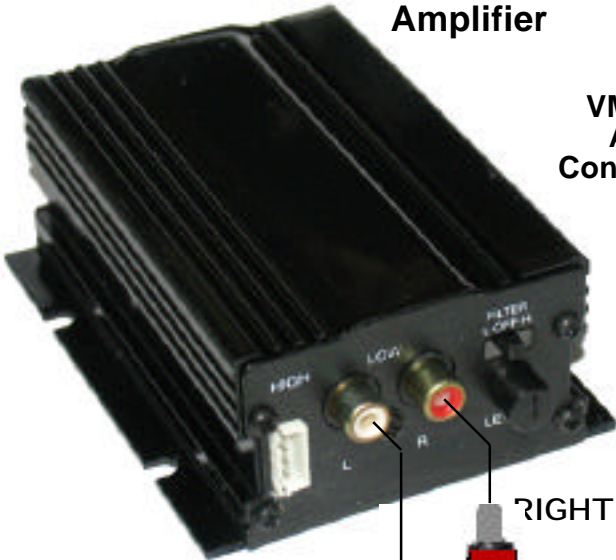
Audacity

DMX MP3 VMusic2 Player
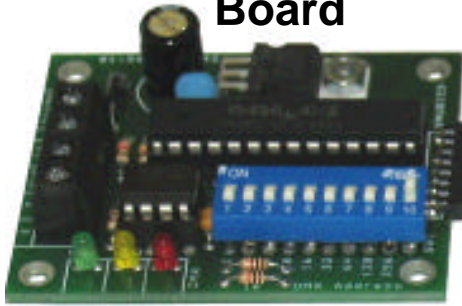
Optional Amp Setup
Audio Connection

MP3 Playback
Board

Audio
Amplifier

VMusic2 Module
Audio Output
Connector Jack 1/8"

HIGH LOW

L R

RIGHT

LEFT

RCA Audio
Connectors

RCA
Connectors

RCA Jack - Right (Red)
(Audio Signal Input)

RCA Jack - Left (White)
(Audio Signal Input)

Stereo
RCA to Mini
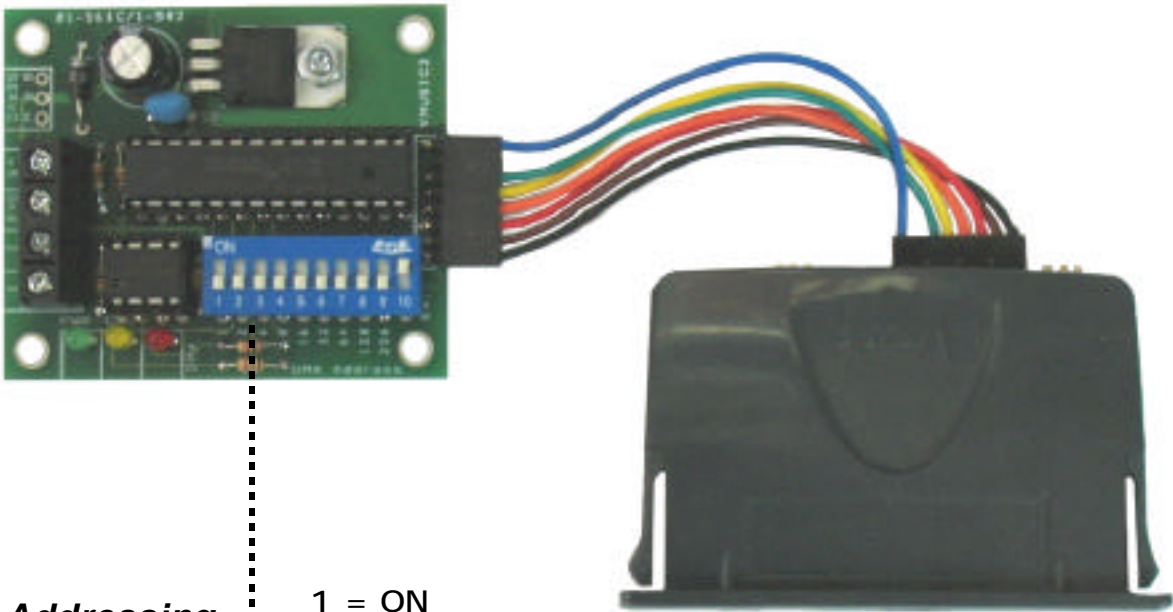1/8" "Y" Cable
Adapter

Radio Shack
Part No: 42-495

DMX MP3 VMusic2 Player
Notes / Worksheet:
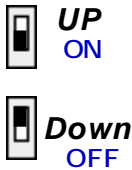
DMX MP3 BOARD NO: _____

DMX MP3 BOARD Application: _____

_____

_____

_____

_____

Addressing

1 = ON
O = OFF

ON

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |

1 2 4 8 16 32 64 128 256 SW10

Switch Positions
(UP / Down)

UP
ON

Down
OFF

Value	O OFF	1 ON
SW-1		
SW-2		
SW-3		
SW-4		
SW-5		
SW-6		
SW-7		
SW-8		
SW-9		
SW-10		
BASE **Addressing**	*DMX*	*Position*

Version 1.0
01/09

MP3 Audio Controller & USB Flash Drive used on Macintosh Computer with OS X... System

Troubleshooting - Macintosh Computer - OS X System Hints and Guide

NOTE: any number of file can be recorded from 1 to 32 audio files. The length of the recorded audio files available is determined by the size of the USB Flash Memory Drive.
Min number=1 file (001.mp3) and the Max number=32 file (032.mp3)
Audio File Size= As large as the USB Flash memory Drive capacity is.

Q. **I have recorded my sounds, but nothing plays back when I activate theDMX Channel.**
A. Check to see that you have named the audio files correctly. For example, if you only have 5-MP3 audio files on the drive, they would be named "**001.mp3**" "**002.mp3**" "**002.mp3**" "**004.mp3**" "**004.mp3**"

A. Check to see if your Hide File Extension display is turned ON in your computer, if so, then the files probably have double extensions added,"**001.mp3.mp3. -**" **021.mp3.mp3. The second extension is incorrect, should be 001.mp3**" to "**032.mp3,** Turn Hide OFF and rename the files.
Try using just the file name "**001"** without a period.

A. Check to see that the audio files you are using are not a different format, The audio file must be MP3 type.

A. Check your USB Flash Memory Drive to see that it has been formatted as a blank drive, before adding you new sound files, Some USB Flash Memory Drives have a security or Auto Boot feature that prevents the MP3 player from using the sound files correctly even when formatted. Re-format your USB Flash Memory Drive removing any security or Auto Boot formats first. **(Format USB Flash Drive as a MS-DOS FAT)**
Try a different USB Flash Memory Drive type, as some manufacture brands operate different than others.

Macintosh OS X Operating System - USB Flash Drive Formating

1. Disk Utility Application
2. Select USB Flash Drive
3. Erase - Set to MS-DOS FAT
4. Pertition- Current
5. ERASE

USB Flash Drive

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Version 1.0
01/09

Audio Controller & USB Flash Drive
Formatting Drives

Formating USB Flash Drive for PC (Windows Platform (OS)
Method - 1

Windows Platform (OS)

1. Start your computer and plug in the flash drive in the USB port.

2. Click on "My Computer." Click on "Manage" in the "Explorer" window of "My Computer."

3. Open the "Device Manager" and locate your USBDrive installed under the "Disk Drives" tab.
   Right click on "Removable Disk Drive" and click on "Properties" from the menu.

4. Click on the "Policies" tab and choose "Optimize for Performance" from the options.
   Click "OK" and continue.

5. Click on "My Computer" and choose the format on the flash drive.

6. Choose "FATor FAT16" from the dropdown menu box.

7. Click "OK" to complete the format.

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MP3 Audio Controller & USB Flash Drive
Formatting Drives

Formating USB Flash Drive for PC (Windows Platform (OS) Method - 2

1. Formatting a drive, of any kind, will wipe out all of the data on that drive. Make sure you´ve copied any files from your USB thumb drive to a different location before formatting.

2. Plug in the device and open My Computer. Right-click the USB drive and select Format….

3. Select the File System "FAT or FAT16" and give the drive a name in the Volume label field. Click Start to format the drive.
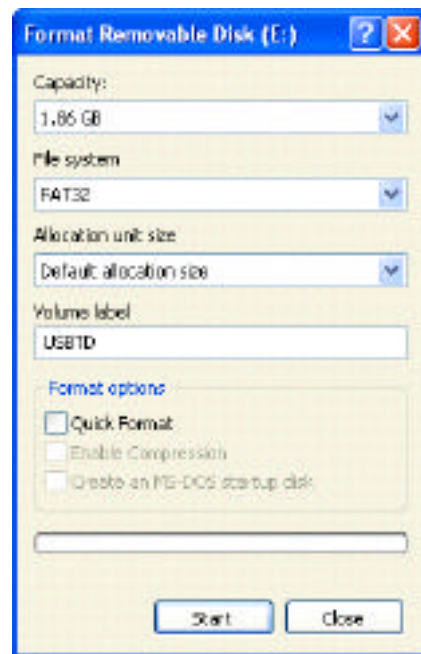
MP3 Audio Controller & USB Flash Drive
Formatting Drives

Formating USB Flash Drive for PC (Windows Platform (OS)
(Method - 2 Cont.)

4. Click OK on the warning window.

```
Format HD2 (E:)                              ✕

  ⚠️   WARNING: Formatting will erase ALL data on this disk.
       To format the disk, click OK. To quit, click CANCEL.

            [  OK  ]      [ Cancel ]
```
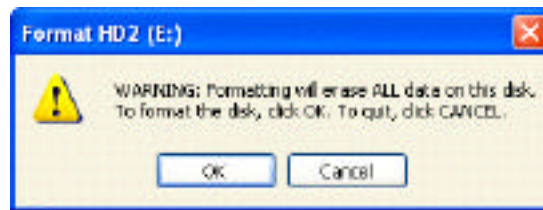
5. Once the format has completed, click **OK**

```
Formatting Removable Disk (E:)               ✕

  ℹ️    Format Complete.

            [    OK    ]
```

6. USB Thumb Drive, Formatted, ready for sound files to be copied to drive.

Devices with Removable Storage

3½ Floppy (A:)

SoundfX (E:)

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DMX- MP3 Player
DMX-VMusic2 Interface

DMX Audio Track Chart
Command Syntax

Command Byte Value	Operation
0 - 63	Stop Playback
64 - 191	Play or Resume Currently Selected Track
192 - 255	Pause Playback

DMX Control Channel - 2
Command Syntax

Audio Track	Command Byte Value	Track Name	Audio Description
SFX Track - 1	0 - 7	001.MP3	
SFX Track - 2	8 - 15	002.MP3	
SFX Track - 3	16 - 23	003.MP3	
SFX Track - 4	24 - 31	004.MP3	
SFX Track - 5	32 - 39	005.MP3	
SFX Track - 6	40 - 47	006.MP3	
SFX Track - 7	48 - 55	007.MP3	
SFX Track - 8	56 - 63	008.MP3	
SFX Track - 9	64 - 71	009.MP3	
SFX Track -10	72 - 79	010.MP3	
SFX Track -11	80 - 87	011.MP3	
SFX Track -12	88 - 95	012.MP3	
SFX Track -13	96 - 103	013.MP3	
SFX Track -14	104 - 111	014.MP3	
SFX Track -15	112 - 119	015.MP3	
SFX Track- 16	120 - 127	016.MP3	
SFX Track -17	128 - 135	017.MP3	
SFX Track -18	136 - 143	018.MP3	
SFX Track -19	144 - 151	019.MP3	
SFX Track -20	152 - 159	020.MP3	
SFX Track- 21	160 - 167	021.MP3	
SFX Track- 22	168 - 175	022.MP3	
SFX Track- 23	176 - 183	023.MP3	
SFX Track- 24	184 - 191	024.MP3	
SFX Track -25	192 - 199	025.MP3	
SFX Track- 26	200 - 207	026.MP3	
SFX Track- 27	208 - 215	027.MP3	
SFX Track- 28	216 - 223	028.MP3	
SFX Track- 29	224 - 231	029.MP3	
SFX Track -30	232 - 239	030.MP3	
SFX Track- 31	240 - 247	031.MP3	
SFX Track- 32	248 - 255	032.MP3	

Board Base Address
1 - 510
Address 0 is treated as 1

DIP Switches
(Addressing)

ON

ON
OFF

1 2 3 4 5 6 7 8 9 10

Switch Value ➔ 1 2 4 8 16 32 64 128 256 SW1
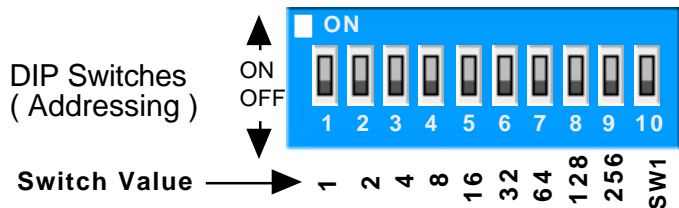
DMX Address Char
DMX- MP3 Player

*DMX-VMusic2
Interface*

Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches
1 = 1　　　　ON	53 = 1, 3, 5, 6　ON	105 = 1, 4, 6, 7　ON	157 = 1, 3, 4, 5, 8 ON	209 = 1, 5, 7, 8　ON
2 = 2	54 = 2, 3, 5, 6	106 = 2, 4, 6, 7	158 = 2, 3, 4, 5, 8	210 = 2, 5, 7, 8
3 = 1, 2	55 = 1, 2, 3, 5, 6	107 = 1, 2, 4, 6, 7	159 = 1, 2, 3, 4, 5, 8	211 = 1, 2, 5, 7, 8
4 = 3	56 = 4, 5, 6	108 = 3, 4, 6, 7	160 = 6, 8	212 = 3, 5, 7, 8
5 = 1, 3	57 = 1, 4, 5, 6	109 = 1, 3, 4, 6, 7	161 = 1, 6, 8	213 = 1, 3, 5, 7, 8
6 = 2, 3	58 = 2, 4, 5, 6	110 = 2, 3, 4, 6, 7	162 = 2, 6, 8	214 = 2, 3, 5, 7, 8
7 = 1, 2, 3	59 = 1, 2, 4, 5, 6	111 = 1, 2, 3, 4, 6, 7	163 = 1, 2, 6, 8	215 = 1, 2, 3, 5, 7, 8
8 = 4	60 = 3, 4, 5, 6	112 = 5, 6, 7	164 = 3, 6, 8	216 = 4, 5, 7, 8
9 = 1, 4	61 = 1, 3, 4, 5, 6	113 = 1, 5, 6, 7	165 = 1, 3, 6, 8	217 = 1, 4, 5, 7, 8
10 = 2, 4	62 = 2, 3, 4, 5, 6	114 = 2, 5, 6, 7	166 = 2, 3, 6, 8	218 = 2, 4, 5, 7, 8
11 = 1, 2, 4	63 = 1, 2, 3, 4, 5, 6	115 = 1, 2, 5, 6, 7	167 = 1, 2, 3, 6, 8	219 = 1, 2, 4, 5, 7, 8
12 = 3, 4	64 = 7	116 = 3, 5, 6, 7	168 = 4, 6, 8	220 = 3, 4, 5, 7, 8
13 = 1, 3, 4	65 = 1, 7	117 = 1, 3, 5, 6, 7	169 = 1, 4, 6, 8	221 = 1, 3, 4, 5, 7, 8
14 = 2, 3, 4	66 = 2, 7	118 = 2, 3, 5, 6, 7	170 = 2, 4, 6, 8	222 = 2, 3, 4, 5, 7, 8
15 = 1, 2, 3, 4	67 = 1, 2, 7	119 = 1, 2, 3, 5, 6, 7	171 = 1, 2, 4, 6, 8	223 = 1, 2, 3, 4, 5, 7, 8
16 = 5	68 = 3, 7	120 = 4, 5, 6, 7	172 = 3, 4, 6, 8	224 = 6, 7, 8
17 = 1, 5	69 = 1, 3, 7	121 = 1, 4, 5, 6, 7	173 = 1, 3, 4, 6, 8	225 = 1, 6, 7, 8
18 = 2, 5	70 = 2, 3, 7	122 = 2, 4, 5, 6, 7	174 = 2, 3, 4, 6, 8	226 = 2, 6, 7, 8
19 = 1, 2, 5	71 = 1, 2, 3, 7	123 = 1, 2, 4, 5, 6, 7	175 = 1,2, 3, 4, 6, 8	227 = 1, 2, 6, 7, 8
20 = 3, 5	72 = 4, 7	124 = 3, 4, 5, 6, 7	176 = 5, 6, 8	228 = 3, 6, 7, 8
21 = 1, 3, 5	73 = 1, 4, 7	125 = 1, 3, 4, 5, 6, 7	177 = 1, 5, 6, 8	229 = 1, 3, 6, 7, 8
22 = 2, 3, 5	74 = 2, 4, 7	126 = 2, 3, 4, 5, 6, 7	178 = 2, 5, 6, 8	230 = 2, 3, 6, 7, 8
23 = 1, 2, 3, 5	75 = 1, 2, 4, 7	127 = 1, 2, 3, 4, 5, 6, 7	179 = 1, 2, 5, 6, 8	231 = 1, 2, 3, 6, 7, 8
24 = 4, 5	76 = 3, 4, 7	128 = 8	180 = 3, 5, 6, 8	232 = 4, 6, 7, 8
25 = 1, 4, 5	77 = 1, 3, 4, 7	129 = 1, 8	181 = 1, 3, 5, 6, 8	233 = 1, 4, 6, 7, 8
26 = 2, 4, 5	78 = 2, 3, 4, 7	130 = 2, 8	182 = 2, 3, 5, 6, 8	234 = 2, 4, 6, 7, 8
27 = 1, 2, 4, 5	79 = 1, 3, 4, 7	131 = 1, 2, 8	183 = 1, 2, 3, 5, 6, 8	235 = 1, 2, 4, 6, 7, 8
28 = 3, 4, 5	80 = 5, 7	132 = 3, 8	184 = 4, 5, 6, 8	236 = 3, 4, 6, 7, 8
29 = 1, 3, 4, 5	81 = 1, 5, 7	133 = 1, 3, 8	185 = 1, 4, 5, 6, 8	237 = 1, 3, 4, 6, 7, 8
30 = 2, 3, 4, 5	82 = 2, 5, 7	134 = 2, 3, 8	186 = 2, 4, 5, 6, 8	238 = 2, 3, 4, 6, 7, 8
31 = 1, 2, 3, 4, 5	83 = 1, 2, 5, 7	135 = 1, 2, 3, 8	187 = 1, 2, 4, 5, 6, 8	239 = 1, 2, 3, 4, 6, 7, 8
32 = 6	84 = 3, 5, 7	136 = 4, 8	188 = 3, 4, 5, 6, 8	240 = 5, 6, 7, 8
33 = 1, 6	85 = 1, 3, 5, 7	137 = 1, 4, 8	189 = 1, 3, 4, 5, 6, 8	241 = 1, 5, 6, 7, 8
34 = 2, 6	86 = 2, 3, 5, 7	138 = 2, 4, 8	190 = 2, 3, 4, 5, 6, 8	242 = 2, 5, 6, 7, 8
35 = 1, 2, 6	87 = 1, 2, 3, 5, 7	139 = 1, 2, 4, 8	191 = 1, 2, 3, 4, 5, 6, 8	243 = 1, 2, 5, 6, 7, 8
36 = 3, 6	88 = 4, 5, 7	140 = 3, 4, 8	192 = 7, 8	244 = 3, 5, 6, 7, 8
37 = 1, 3, 6	89 = 1, 4, 5, 7	141 = 1, 3, 4, 8	193 = 1, 7, 8,	245 = 1, 3, 5, 6, 7, 8
38 = 2, 3, 6	90 = 2, 4, 5, 7	142 = 2, 3, 4, 8	194 = 2, 7, 8,	246 = 2, 3, 5, 6, 7, 8
39 = 1, 2, 3, 6	91 = 1, 2, 4, 5, 7	143 = 1, 2, 3, 4, 8	195 = 1, 2, 7, 8	247 = 1, 2, 3, 5, 6, 7, 8
40 = 4, 6	92 = 3, 4, 5, 7	144 = 5, 8	196 = 3, 7, 8	248 = 4, 5, 6, 7, 8
41 = 1, 4, 6	93 = 1, 3, 4, 5, 7	145 = 1, 5, 8	197 = 1, 3, 7, 8	249 = 1, 4, 5, 6, 7, 8
42 = 2, 4, 6	94 = 2, 3, 4, 5, 7	146 = 2, 5, 8	198 = 2, 3, 7, 8	250 = 2, 4, 5, 6, 7, 8
43 = 1, 2, 4, 6	95 = 1, 2, 3, 4, 5, 7	147 = 1, 2, 5, 8	199 = 1, 2, 3, 7, 8	251 = 1, 2, 4, 5, 6, 7, 8
44 = 3, 4, 6,	96 = 6, 7	148 = 3, 5, 8	200 = 4, 7, 8,	252 = 3, 4, 5, 6, 7, 8
45 = 1, 3, 4, 6	97 = 1, 6, 7	149 = 1, 3, 5, 8	201 = 1, 4, 7, 8	253 = 1, 3, 4, 5, 6, 7, 8
46 = 2, 3, 4, 6	98 = 2, 6, 7	150 = 2, 3, 5, 8	202 = 2, 4, 7, 8	254 = 2, 3, 4, 5, 6, 7, 8
47 = 1, 2, 3, 4, 6	99 = 1, 2, 6, 7	151 = 1, 2, 3, 5, 8	203 = 1, 2, 4, 7, 8	255 = 1, 2, 3, 4, 5, 6, 7, 8
48 = 5, 6	100 = 3, 6, 7	152 = 4, 5, 8	204 = 3, 4, 7, 8	256 = 9
49 = 1, 5, 6	101 = 1, 3, 6, 7	153 = 1, 4, 5, 8	205 = 1, 3, 4, 7, 8	257 = 1, 9
50 = 2, 5, 6	102 = 2, 3, 6, 7	154 = 2, 4, 5, 8	206 = 2, 3, 4, 7, 8	258 = 2, 9
51 = 1, 2, 5, 6	103 = 1, 2, 3, 6, 7	155 = 1, 2, 4, 5, 8	207 = 1, 2, 3, 4, 7, 8	259 = 1, 2, 9
52 = 3, 5, 6	104 = 4, 6, 7	156 = 3, 4, 5, 8	208 = 5, 7, 8	260 = 3, 9

Address Chart: DMX- MP3 Player Cont.

Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches	Ch - Switches
261 = 1, 3, 9 **ON**	322 = 2, 7, 9 **ON**	383 = 1, 2, 3, 4, 5, 6, 7, 9	444 = 3, 4, 5, 6, 8, 9 **ON**	505 = 1, 4, 5, 6, 7, 8, 9 **ON**
262 = 2, 3, 9	323 = 1, 2, 7, 9	384 = 8, 9 **ON**	445 = 1, 3, 4, 5, 6, 8, 9	506 = 2, 4, 5, 6, 7, 8, 9
263 = 1, 2, 3, 9	324 = 3, 7, 9	385 = 1, 8, 9	446 = 2, 3, 4, 5, 6, 8, 9	507 = 1, 2, 4, 5, 6, 7, 8, 9
264 = 4, 9	325 = 1, 3, 7, 9	386 = 2, 8, 9	447 = 1, 2, 3, 4, 5, 6, 8, 9	508 = 3, 4, 5, 6, 7, 8, 9
265 = 1, 4, 9	326 = 2, 3, 7, 9	387 = 1, 2, 8, 9	448 = 7, 8, 9	509 = 1, 3, 4, 5, 6, 7, 8, 9
266 = 2, 4, 9	327 = 1, 2, 3, 7, 9	388 = 3, 8, 9	449 = 1, 7, 8, 9	510 = 2, 3, 4, 5, 6, 7, 8, 9
267 = 1, 2, 4, 9	328 = 4, 7, 9	389 = 1, 3, 8, 9	450 = 2, 7, 8, 9	
268 = 3, 4, 9	329 = 1, 4, 7, 9	390 = 2, 3, 8, 9	451 = 1, 2, 7, 8, 9	
269 = 1, 3, 4, 9	330 = 2, 4, 7, 9	391 = 1, 2, 3, 8, 9	452 = 3, 7, 8, 9	
270 = 2, 3, 4, 9	331 = 1, 2, 4, 7, 9	392 = 4, 8, 9	453 = 1, 3, 7, 8, 9	
271 = 1, 2, 3, 4, 9	332 = 3, 4, 7, 9	393 = 1, 4, 8, 9	454 = 2, 3, 7, 8, 9	
272 = 5, 9	333 = 1, 3, 4, 7, 9	394 = 2, 4, 8, 9	455 = 1, 2, 3, 7, 8, 9	
273 = 1, 5, 9	334 = 2, 3, 4, 7, 9	395 = 1, 2, 4, 8, 9	456 = 4, 7, 8, 9	
274 = 2, 5, 9	335 = 1, 2, 3, 4, 7, 9	396 = 3, 4, 8, 9	457 = 1, 4, 7, 8, 9	
275 = 1, 2, 5, 9	336 = 5, 7, 9	397 = 1, 3, 4, 8, 9	458 = 2, 4, 7, 8, 9	
276 = 3, 5, 9	337 = 1, 5, 7, 9	398 = 2, 3, 4, 8, 9	459 = 1, 2, 4, 7, 8, 9	
277 = 1, 3, 5, 9	338 = 2, 5, 7, 9	399 = 1, 2, 3, 4, 8, 9	460 = 3, 4, 7, 8, 9	
278 = 2, 3, 5, 9	339 = 1, 2, 5, 7, 9	400 = 5, 8, 9	461 = 1, 3, 4, 7, 8, 9	
279 = 1, 2, 3, 5, 9	340 = 3, 5, 7, 9	401 = 1, 5, 8, 9	462 = 2, 3, 4, 7, 8, 9	
280 = 4, 5, 9	341 = 1, 3, 5, 7, 9	402 = 2, 5, 8, 9	463 = 1, 2, 3, 4, 7, 8, 9	
281 = 1, 4, 5, 9	342 = 2, 3, 5, 7, 9	403 = 1, 2, 5, 8, 9	464 = 5, 7, 8, 9	
282 = 2, 4, 5, 9	343 = 1, 2, 3, 5, 7, 9	404 = 3, 5, 8, 9	465 = 1, 5, 7, 8, 9	
283 = 1, 2, 4, 5, 9	344 = 4, 5, 7, 9	405 = 1, 3, 5, 8, 9	466 = 2, 5, 7, 8, 9	
284 = 3, 4, 5, 9	345 = 1, 4, 5, 7, 9	406 = 2, 3, 5, 8, 9	467 = 1, 2, 5, 7, 8, 9	
285 = 1, 3, 4, 5, 9	346 = 2, 4, 5, 7, 9	407 = 1, 2, 3, 5, 8, 9	468 = 3, 5, 7, 8, 9	
286 = 2, 3, 4, 5, 9	347 = 1, 2, 4, 5, 7, 9	408 = 4, 5, 8, 9	469 = 1, 3, 5, 7, 8, 9	
287 = 1, 2, 3, 4, 5, 9	348 = 3, 4, 5, 7, 9	409 = 1, 4, 5, 8, 9	470 = 2, 3, 5, 7, 8, 9	
288 = 6, 9	349 = 1, 3, 4, 5, 7, 9	410 = 2, 4, 5, 8, 9	471 = 1, 2, 3, 5, 7, 8, 9	
289 = 1, 6, 9	350 = 2, 3, 4, 5, 7, 9	411 = 1, 2, 4, 5, 8, 9	472 = 4, 5, 7, 8, 9	
290 = 2, 6, 9	351 = 1, 2, 3, 4, 5, 7, 9	412 = 3, 4, 5, 8, 9	473 = 1, 4, 5, 7, 8, 9	
291 = 1, 2, 6, 9	352 = 6, 7, 9	413 = 1, 3, 4, 5, 8, 9	474 = 2, 4, 5, 7, 8, 9	
292 = 3, 6, 9	353 = 1, 6, 7, 9	414 = 2, 3, 4, 5, 8, 9	475 = 1, 2, 4, 5, 7, 8, 9	
293 = 1, 3, 6, 9	354 = 2, 6, 7, 9	415 = 1, 2, 3, 4, 5, 8, 9	476 = 3, 4, 5, 7, 8, 9	
294 = 2, 3, 6, 9	355 = 1, 2, 6, 7, 9	416 = 6, 8, 9	477 = 1, 3, 4, 5, 7, 8, 9	
295 = 1, 2, 3, 6, 9	356 = 3, 6, 7, 9	417 = 1, 6, 8, 9	478 = 2, 3, 4, 5, 7, 8, 9	
296 = 4, 6, 9	357 = 1, 3, 6, 7, 9	418 = 2, 6, 8, 9	479 = 1, 2, 3, 4, 5, 7, 8, 9	
297 = 1, 4, 6, 9	358 = 2, 3, 6, 7, 9	419 = 1, 2, 6, 8, 9	480 = 6, 7, 8, 9	
298 = 2, 4, 6, 9	359 = 1, 2, 3, 6, 7, 9	420 = 3, 6, 8, 9	481 = 1, 6, 7, 8, 9	
299 = 1, 2, 4, 6, 9	360 = 4, 6, 7, 9	421 = 1, 3, 6, 8, 9	482 = 2, 6, 7, 8, 9	
300 = 3, 4, 6, 9	361 = 1, 4, 6, 7, 9	422 = 2, 3, 6, 8, 9	483 = 1, 2, 6, 7, 8, 9	
301 = 1, 3, 4, 6, 9	362 = 2, 4, 6, 7, 9	423 = 1, 2, 3, 6, 8, 9	484 = 3, 6, 7, 8, 9	
302 = 2, 3, 4, 6, 9	363 = 1, 2, 4, 6, 7, 9	424 = 4, 6, 8, 9	485 = 1, 3, 6, 7, 8, 9	
303 = 1, 2, 3, 4, 6, 9	364 = 3, 4, 6, 7, 9	425 = 1, 4, 6, 8, 9	486 = 2, 3, 6, 7, 8, 9	
304 = 5, 6, 9	365 = 1, 3, 4, 6, 7, 9	426 = 2, 4, 6, 8, 9	487 = 1, 2, 3, 6, 7, 8, 9	
305 = 1, 5, 6, 9	366 = 2, 3, 4, 6, 7, 9	427 = 1, 2, 4, 6, 8, 9	488 = 4, 6, 7, 8, 9	
306 = 2, 5, 6, 9	367 = 1, 2, 3, 4, 6, 7, 9	428 = 3, 4, 6, 8, 9	489 = 1, 4, 6, 7, 8, 9	
307 = 1, 2, 5, 6, 9	368 = 5, 6, 7, 9	429 = 1, 3, 4, 6, 8, 9	490 = 2, 4, 6, 7, 8, 9	
308 = 3, 5, 6, 9	369 = 1, 5, 6, 7, 9	430 = 2, 3, 4, 6, 8, 9	491 = 1, 2, 4, 6, 7, 8, 9	
309 = 1, 3, 5, 6, 9	370 = 2, 5, 6, 7, 9	431 = 1, 2, 3, 4, 6, 8, 9	492 = 3, 4, 6, 7, 8, 9	
310 = 2, 3, 5, 6, 9	371 = 1, 2, 5, 6, 7, 9	432 = 5, 6, 8, 9	493 = 1, 3, 4, 6, 7, 8, 9	
311 = 1, 2, 3, 5, 6, 9	372 = 3, 5, 6, 7, 9	433 = 1, 5, 6, 8, 9	494 = 2, 3, 4, 6, 7, 8, 9	
312 = 4, 5, 6, 9	373 = 1, 3, 5, 6, 7, 9	434 = 2, 5, 6, 8, 9	495 = 1, 2, 3, 4, 6, 7, 8, 9	
313 = 1, 4, 5, 6, 9	374 = 2, 3, 5, 6, 7, 9	435 = 1, 2, 5, 6, 8, 9	496 = 5, 6, 7, 8, 9,	
314 = 2, 4, 5, 6, 9	375 = 1, 2, 3, 5, 6, 7, 9	436 = 3, 5, 6, 8, 9	497 = 1, 5, 6, 7, 8, 9	
315 = 1, 2, 4, 5, 6, 9	376 = 4, 5, 6, 7, 9	437 = 1, 3, 5, 6, 8, 9	498 = 2, 5, 6, 7, 8, 9	
316 = 3, 4, 5, 6, 9	377 = 1, 4, 5, 6, 7, 9	438 = 2, 3, 5, 6, 8, 9	499 = 1, 2, 5, 6, 7, 8, 9	
317 = 1, 3, 4, 5, 6, 9	378 = 2, 4, 5, 6, 7, 9	439 = 1, 2, 3, 5, 6, 8, 9	500 = 3, 5, 6, 7, 8, 9	
318 = 2, 3, 4, 5, 6, 9	379 = 1, 2, 4, 5, 6, 7, 9	440 = 4, 5, 6, 8, 9	501 = 1, 3, 5, 6, 7, 8, 9	
329 = 1, 2, 3, 4, 5, 6, 9	380 = 3, 4, 5, 6, 7, 9	441 = 1, 4, 5, 6, 8, 9	502 = 2, 3, 5, 6, 7, 8, 9	
320 = 7, 9	381 = 1, 3, 4, 5, 6, 7, 9	442 = 2, 4, 5, 6, 8, 9	503 = 1, 2, 3, 5, 6, 7, 8, 9	
321 = 1, 7, 9	382 = 2, 3, 4, 5, 6, 7, 9	443 = 1, 2, 4, 5, 6, 8, 9	504 = 4, 5, 6, 7, 8, 9	

Example 2+4+32+128+256= 422

Address 422

Address = 422
Switch ON = 2, 3, 6, 8, 9

X
256 128 64 32 16 8 4 2 1
1 2 3 4 5 6 7 8 9 10
ON

US Standard DMX 512

ON ◀— —▶ OFF

X
256 128 64 32 16 8 4 1
1 2 3 4 5 6 7 8 9 10
ON

DIP Switches (Addressing)

Switch Position (ON or OFF)

Switch Number

Switch Value —▶

DMX- MP3 Player

Notes / Worksheet

DMX-VMusic2 Interface

Audio Track	Byte Value	Track Name	Audio Description
SFX Track - 1	0 - 7	001.MP3	
SFX Track - 2	8 - 15	002.MP3	
SFX Track - 3	16 - 23	003.MP3	
SFX Track - 4	24 - 31	004.MP3	
SFX Track - 5	32 - 39	005.MP3	
SFX Track - 6	40 - 47	006.MP3	
SFX Track - 7	48 - 55	007.MP3	
SFX Track - 8	56 - 63	008.MP3	
SFX Track - 9	64 - 71	009.MP3	
SFX Track -10	72 - 79	010.MP3	
SFX Track -11	80 - 87	011.MP3	
SFX Track -12	88 - 95	012.MP3	
SFX Track -13	96 - 103	013.MP3	
SFX Track -14	104 - 111	014.MP3	
SFX Track -15	11 - 119	015.MP3	
SFX Track- 16	12 - 127	016.MP3	
SFX Track -17	128 - 135	017.MP3	
SFX Track -18	136 - 143	018.MP3	
SFX Track -19	144 - 151	019.MP3	
SFX Track -20	152 - 159	020.MP3	
SFX Track- 21	160 - 167	021.MP3	
SFX Track- 22	168 - 175	022.MP3	
SFX Track- 23	176 - 183	023.MP3	
SFX Track- 24	184 - 191	024.MP3	
SFX Track -25	192 - 199	025.MP3	
SFX Track- 26	200 - 207	026.MP3	
SFX Track- 27	208 - 215	027.MP3	
SFX Track- 28	216 - 223	028.MP3	
SFX Track- 29	224 - 231	029.MP3	
SFX Track -30	232 - 239	030.MP3	
SFX Track- 31	240 - 247	031.MP3	
SFX Track- 32	248 - 255	032.MP3	

Base Address = 1- 510

See Address Chart for Switch Settings

ON
OFF

Base Board Address =
DMX Channel-1 Address =
DMX Channel-2 Address =
DMX Channel-3 Address =
DMX Channel-4 Address =

ON

1 2 3 4 5 6 7 8 9 10

Switch Value → 1 2 4 8 16 32 64 128 256 **X**

Comments: