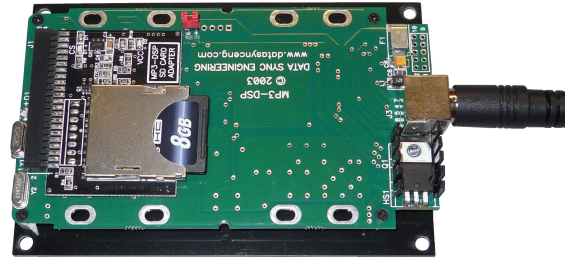


PioCJ-SD

Player System

The all new SD Memory Card Player
For Your Pioneer CD "Laser Juke"

Complete Kit, nothing else to buy !



Replaces any or all CD Players

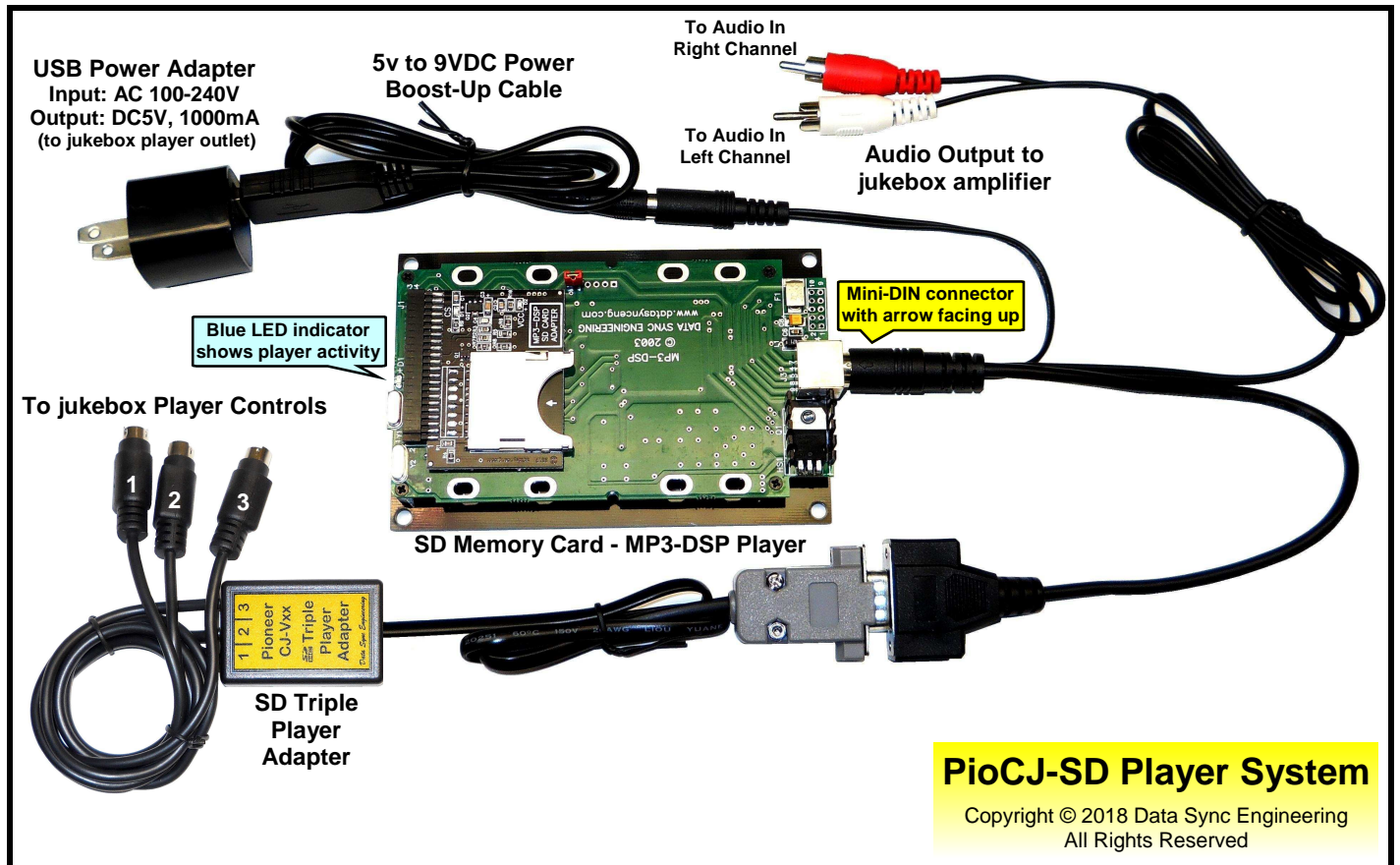
- Works with jukebox models CJ-V50 through CJ-V99
- Faster song selections and quicker TOC initialization
- 100% solid state, no moveable parts, no maintenance
- Jukebox operates exactly the same as before, only faster
- SD Card contains only music, no programs to "boot-up"
- Works with FAT32 formatted SD Cards 4GB to 128GB*
- Supports all MP3 bit rates (we recommend 192Kbps)
- Provides start of song "soft fade-in" (jumper selectable)
- Add that missing 3rd player for 1,782 more selections

USB 2.0
SD Reader



16GB SD Memory Card
Up to 3,200 song selections
using MP3 bitrate @192Kbps

*The SD Memory Card Formatter can be Downloaded here
https://www.sdcard.org/downloads/formatter_4/
To format media above 32GB as FAT32, you can run "guiformat.exe"
which is available here www.ridgecrop.demon.co.uk/guiformat.htm



Data Sync Engineering
P.O. Box 539, Footbridge Lane, Bldg 3
Blairstown, New Jersey 07825

TEL: (908) 362-6299
email: sales@datasynceng.com
Web: www.cdadapter.com

GENERAL DESCRIPTION

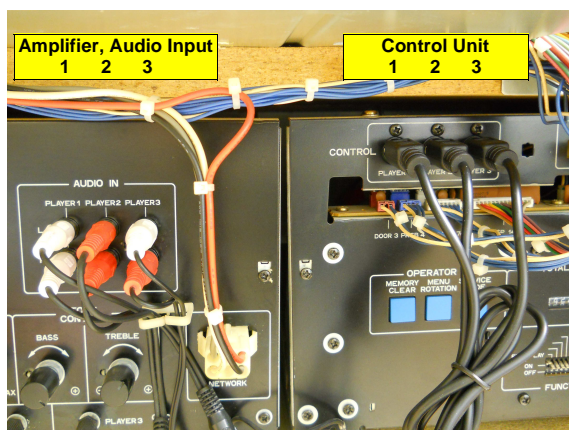
The PioCJ-SD is a high-speed, SD Card MP3 player, that can replace any or all three of the CD Players in your Pioneer jukebox. Each player plugs into an associated RCA Audio jack and Control connector which are identified as Player1, Player2 & Player3. Most jukeboxes only have two players for 36 CD's (about 540 songs). But, with the PioCJ-SD player, you can have all three players for 54 CD's and each CD can have up to 99 tracks. That's 5,346 songs ! (A 32GB SD Card is needed for this capacity).

Each CD Player has three magazines that contain 6 CDs. The first two digits are used to select a CD number within a specific player. The PioCJ-SD player uses the same numbering for the two digit folder name to identify each CD number position.

The following diagram shows the CD and folder name numbers that are used for each of the connected players

PLAYER 1	PLAYER 2	PLAYER 3
CD# 11, 12, 13, 14, 15, 16	CD# 41, 42, 43, 44, 45, 46	CD# 71, 72, 73, 74, 75, 76
CD# 21, 22, 23, 24, 25, 26	CD# 51, 52, 53, 54, 55, 56	CD# 81, 82, 83, 84, 85, 86
CD# 31, 32, 33, 34, 35, 36	CD# 61, 62, 63, 64, 65, 66	CD# 91, 92, 93, 94, 95, 96

INSTALLATION



Before starting installation, turn off the jukebox power

The "Triple Player Adapter" translates up to 3 player control input signals into an output to directly control the SD player.

At the Control Unit, insert the DIN connector for the CD player(s) you want to replace. Each DIN connector cable is identified on the triple player adapter as player 1, 2 & 3.



At the Amplifier, connect the RCA plugs to the Audio Input. If a single player is being replaced, plug in the RCA cable, directly from the SD Player, to the associated "Audio In" player number. A Y-cable is used to combine two audio inputs to receive audio from a single output source. For three players, an additional Y-cable combines all three audio inputs. The diagram at the left shows the interconnection between the cables.

At the SD MP3 player, connect the DC power connector. Plug in the 9-pin mini DIN connector (arrow or notch at the top). Connect the Triple Player Adapter cable to the SD player cable.

Plug the USB AC Power Adapter into the jukebox player outlet. Insert the boost-up cable into the USB connector.



Your installation is now complete !

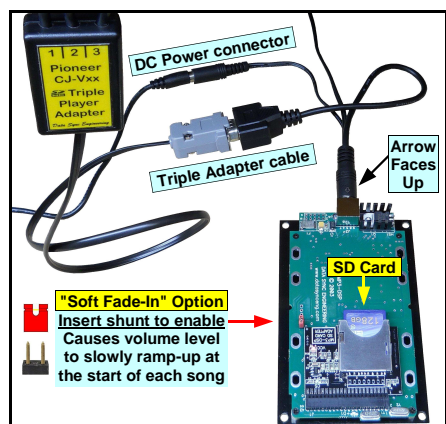
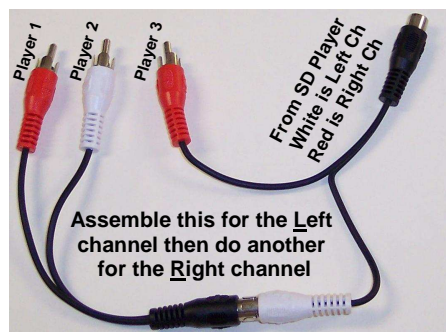
POWER UP

The next page provides information and description about creating MP3 files and setting up your SD memory card.

After creating CD folders and MP3 song tracks on your SD Card, insert the SD card into the player connector. Or, for a quick test, you can create one folder with songs then insert the card into the player.

Power up the jukebox, you should see some flashing LED lights on the player board during song indexing and the transfer of "CD Tracks" data to the jukebox. The LED descriptions are outlined on the last page.

If the jukebox does not become "ready to select" for more than a minute, or the displays shows random data, an error code, or goes blank, you may have corrupted jukebox memory, a low memory battery (ERR1) or the SD player has an error. Go to the last page of this manual for instructions of how to clear the jukebox memory or to identify the jukebox or player error.



ABOUT THE SONG FOLDERS AND FILES

Folders and the MP3 Files within the folders represent each CD disc selection. The first two letters of the folder name and the MP3 file names must begin with two numeric digits to identify their CD and Track number positions.

For 54 CD's, you would create 54 folders. Each folder name starts with a two digit number from 11 to 96. If you want, you can include your own text such as the album name "16 ZZ Top".

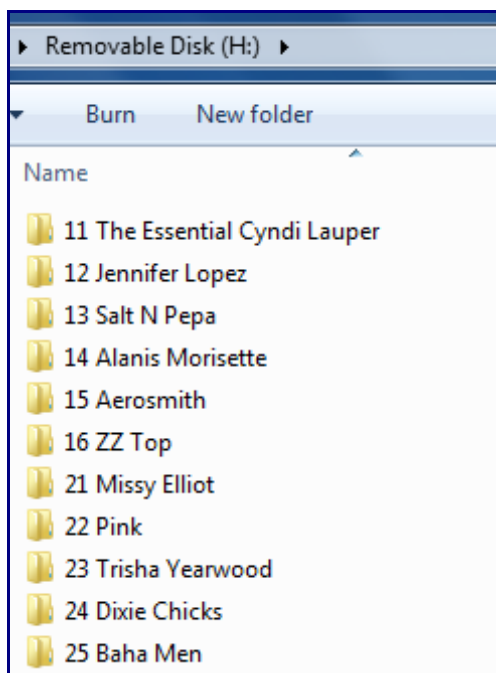
The PioCJ-SD supports up to 99 tracks on each CD. Each MP3 song name starts with a two digit number from 01 to 99 (CD's do not have track 00). Track numbering must be sequential just like CD's. Missing or duplicate track numbers are not allowed. If you want, you can include your own song name text such as "02 Sharp Dressed Man".

With this method, you can envision how a song is selected. For example, if you enter the selection "1602", the PioCJ-SD first searches folder names until it finds the first two character match to "16" then it searches the MP3 files within that folder until it finds the first two character match to "02". Afterwards, the selection will begin playing.

To create the MP3 song files from your CD you would use a program to "Rip" the CD tracks to MP3. **Windows Media Player** can be used but make sure, in the Options menu, that the Format is set for MP3 (not WMA). There are many other rippers, such as one by www.poikosoft.com, that will automatically insert the track numbers and song names.

Another consideration is the bit rate. The bit rate is similar to the resolution of a photo, lower resolution will produce a fuzzy image. For music, bit rates below 128Kbps may start to sound grainy. You can't tell much of a difference using the maximum bit rate of 320Kbps other than very large file sizes. Many agree that the bit rate of 192Kbps is very close to CD quality (as we recommend). Besides, jukeboxes are well tuned and can make anything sound great.

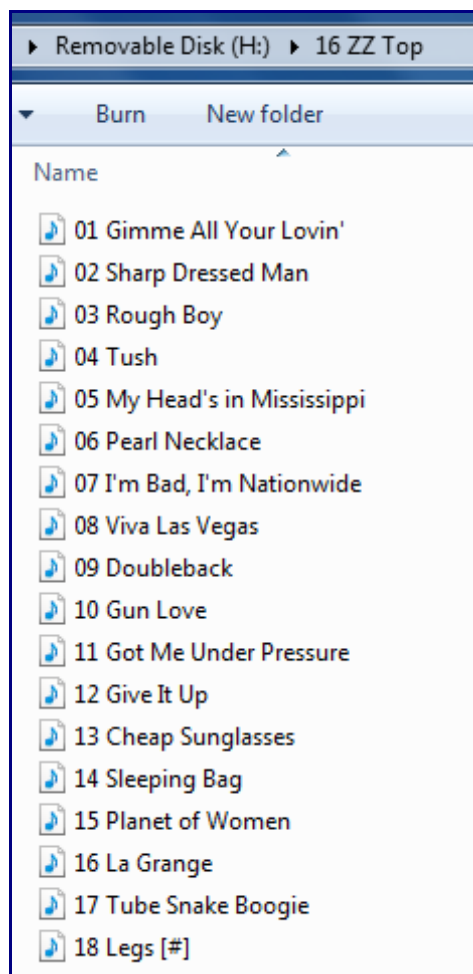
EXAMPLE FOLDERS AND THE FILES WITHIN A FOLDER



These are the actual images of a working jukebox SD card (from Windows Explorer)

For the Pioneer CD Jukebox, CD numbers are grouped in blocks of 6 CD's with numbering gaps in between. This was done to select 1 of 6 CD's within the three magazines of each player.

Page 2 shows the folder name numbers of all CD's.



GENERAL REFERENCE INFORMATION

If your CJ-V55 jukebox is locked up, beeping, random display, will not select or selects wrong song ...

The memory may be corrupted.

Follow these steps to reset the memory.

- 1) Turn off jukebox power
- 2) Open the bottom door
- 3) Power on the jukebox, the display should show "OPEN"
- 4) Wait until the SD Player finishes scanning (blue LED stops blinking)
- 5) Press and hold the "Service Mode" button until beep and display shows "P5"
- 6) Press and hold the "Memory Clear" button until beep (usually about 15 seconds)
- 7) Press and hold the "Service Mode" button until beep and display shows "OPEN"
- 8) Close the door, in about 5 seconds the initialization will start (the SD player blue LED starts blinking)
- 9) When finished, the "Make Selection" indicator turns on (Your jukebox is now ready to play)

If your CJ-V55 is displaying "ERR1" ...

This can come from a corrupted memory or low backup battery voltage.

Try resetting the memory (follow the steps above), power-down the jukebox for about 15 minutes.

Power the jukebox back up and see if the error re-appears.

If it does, you may need to replace the lithium battery.

It's a 3-Volt Coin Battery soldered to the circuit board within the Control Unit.

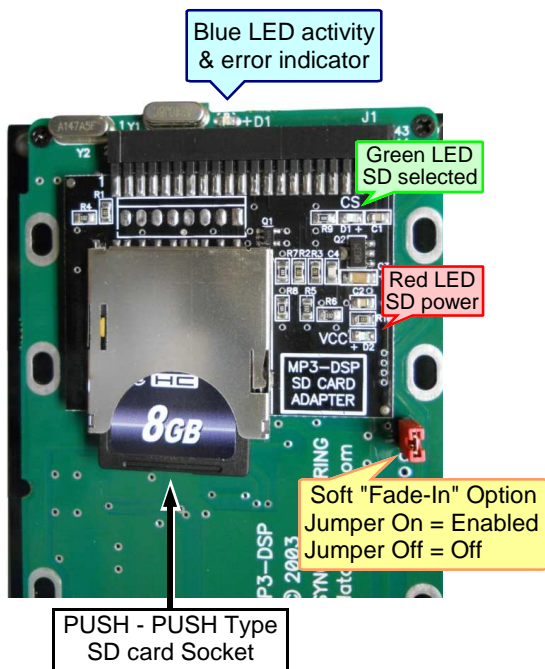
If your CJ-V99 jukebox is selecting the wrong song ...

Any time discs are changed, the jukebox needs to be initialized.

Inside the jukebox, hold down the TOC INITIALIZE button for several seconds until beep.

Close the door to start the initialization (the SD player blue LED starts blinking).

For more jukebox error information, visit website: cdadapter.com | [click FAQ](#) | [click Pioneer Conversion Kit](#)



When power is applied to the Digital Player, the blue LED turns on for about 3-sec, turns off, then begins rapid blinking during file indexing. When done, the LED remains off until a selection.

FAULTS - SD CARD MP3 PLAYER (Blue LED)	
Blinks	Error Description
1	Failed Hardware Test Diagnostics
2	FAT32 Filesystem Was Not Found
3	No Folders Found
4	No MP3 Files Found
	If players blue LED rapidly flashing dim and green LED always on No SD Memory Card in Socket or Defective SD Card
	If players blue LED repeating long flash & green LED short flicker Wrong Memory Card Type or Defective SD Card

SD MEMORY CARD CAPACITIES		
SD SIZE	SONGS @192Kbps	Tracks on 54 CD's
8GB	1,600	30
16GB	3,200	59
32GB	6,400	99
64GB	12,800	99

DISCLAIMER - PLEASE READ

The PioCJ-SD kit was developed for jukebox owners for non public performance use.
We do not supply jukebox licenses. It is the jukebox owners responsibility
to obtain all applicable licenses for public performance of copyright music.

Designated trademarks and brands are the property of their respective owners.