

RMC-SONY

Upgrade Your ROWE/AMI Vinyl Jukebox to CD

In Minutes
Without Any Modifications !



The RMC-SONY is a CD conversion adapter for ROWE/AMI vinyl and vinyl/CD combo jukeboxes. It was designed to operate with any jukebox that uses the 6-08870-xx / 4-07773-xx Computer or the 4-07221-xx Mechanism Control unit. This includes models CTI-2, R-84 through R-94, RI-4, RI-5, Prelude, Tempo, Tempo-Disco, Jewel, Starburst, Starlight, Starwood, Blue Magic, Gold Magic, Romantica, Golden 7/8/89/90/91/92, Sapphire 7/8/89/90/91/92, LaCombo, Bubbler, ComboStar and RoweStar. The RMC-SONY connects to any 50 to 400 disc Sony CD Mega-Changer with the S-Link/Control A1 interface jack. In addition to vinyl, the RMC-SONY also replaces the six or ten disc CD player in jukeboxes having the CD combo feature.

The RMC-SONY works with the ROWE/AMI Central Control Computer by simulating the operation of the record mechanism. This tricks the jukebox into thinking it is still playing records, but instead, it's playing CD's. The jukebox operates exactly as it did before, but now with superb audio quality. No more scratches, pops or rumble and no more worrying about worn records or stylus and cartridge replacements.

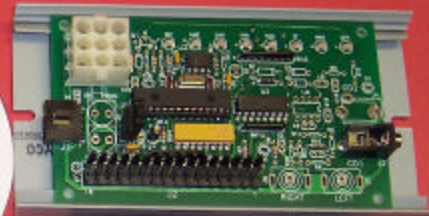
Passive-Inverse
RIAA Filter



Combo Cable
(R90 to R94 jukeboxes only)



Mechanism Converter



Sony CD
Changer Cable



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

TEL: (908) 362-6299
FAX: (908) 362-5889
www.datasynceng.com

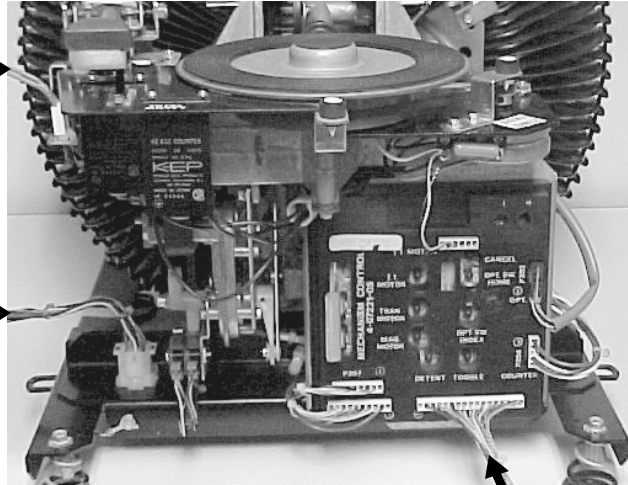
Record Mechanism Connectors

AUDIO CABLE

This is a 4-Pin connector from the Phono input of the amplifier.

POWER CABLE

This is a 9-Pin connector from the Power Supply.



MECHANISM CONTROL CABLE

This is a 17-Pin connector from the Central Control Computer. Pin 17 may be keyed or blank and must be in the position marked as **17**

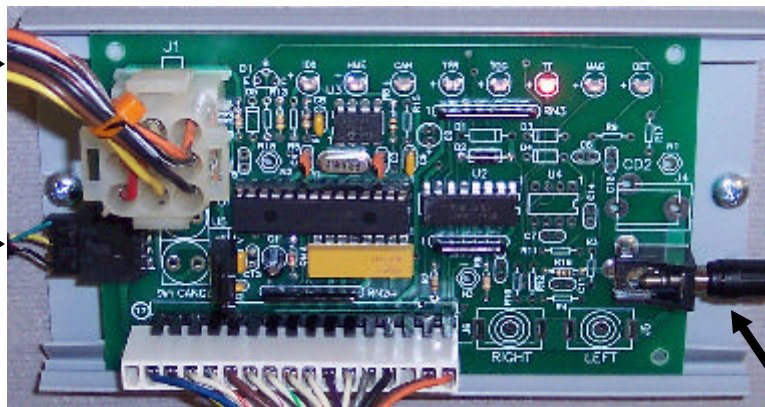
Mechanism Converter Connectors

POWER CABLE

This is a 9-Pin connector from the Power Supply.

*P5 CD COMBO

This is the optional CD control from the CCC P5 DATA.



MECHANISM CONTROL CABLE

This is a 17-Pin connector from the Central Control Computer. Pin 17 may be keyed or blank and must be in the position marked as **17**

CD CONTROL

This is the Control cable to the Sony CD changer.

*P5 CD COMBO feature is only available on R90 to R94 model jukeboxes using the P5 DATA connector.

Installing the CD Upgrade Kit



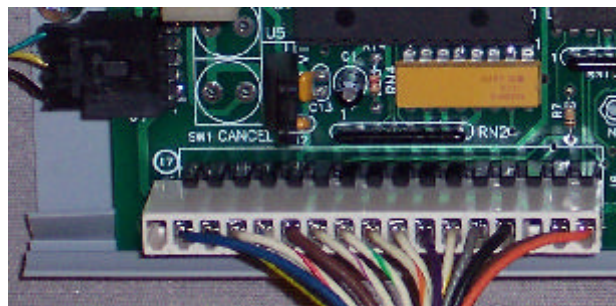
1. Unplug the jukebox from the outlet. Remove the two hold-down bolts from the left and right side of the record changer. Disconnect the AUDIO CABLE, POWER CABLE and CONTROL CABLE. Grasp the record changer at the bottom rails and lift out.

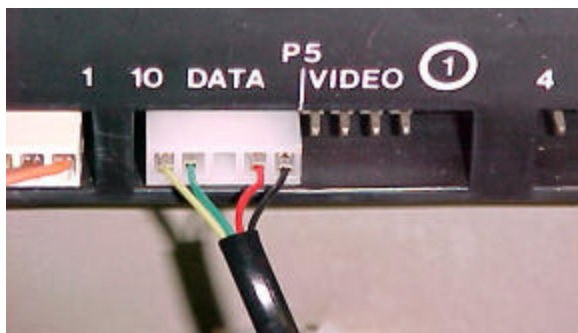


2. Connect one end of the Sony CD cable to the S-Link or Control-A1 jack at the back of the CD changer. Set mode switch to CD 1.
3. Connect the RCA audio plugs from the Passive-Inverse RIAA Filter to the Analog or Line Out jacks at the back of the CD changer. Connect the other end to the 4-pin phono input audio cable.

4. On the Mechanism Converter board, Insert the POWER, MECH CONTROL, and SONY CD CONTROL cables. If your jukebox supports the CD Combo feature, plug in the P5 CD COMBO cable.

Make sure the keyed or blank pin is at the #17 hole position on the Mech Control Connector.





5. Plug the other end of the P5 CD COMBO cable into the P5 DATA connector at the Central Control Computer.

The CD Combo feature was optionally available on R90 through R94 jukebox models. You can add this feature by replacing the CCC EPROM program with a combo support version.

The CD Setup Disc

Included with your RMC-SONY upgrade kit is an audio CD that simply contains 99 tracks of silence. This is used to turn on the Song Programming mode for vinyl setup or to perform operations.

To select Song Program or perform an operation, insert the CD setup disc into a disc number position. See **Setup Functions** for disc # operations. Select that disc and press the **PLAY** button on the CD changer. The setup disc contains silent tracks so nothing will be heard. If the function was successful, the Mechanism Converter will respond by stopping play. If the **Song Program Mode** was selected, then the IDX LED on the Mechanism Converter board will turn on and remain on.

Setup Functions			
Disc #	Operation	Disc #	Operation
30	6 CD Combo Jukebox Select this feature if you want 6 disc CD combo operation. EPROM's we have in our jukeboxes.	31	10 CD Combo Jukebox Select this feature if you want 10 disc CD combo operation. The 10-disc CD combo was offered on the R-92+ model jukeboxes, but any R-90 to R-94 jukebox will support 6 or 10 CD combo operation by changing the Central Control Computer EPROM.
	70038202 R89 V1.2 (No CD support)		
	70038203 R90 V1.3 (No CD support)		
	70038211 R91 V1.0 (6 CD only)		
	70038212 R92 V1.2 (6 CD & 10 CD)		
70038213 R94 V1.1 (6 CD & 10 CD)			
32	Turn off "Soft Play" By default, songs start with a softer volume. Select this feature to have all songs start at set volume. Used on R-84 to R-89 or if using alternate mute signal.	46	Individual Song Program Mode Select this operation to turn on the record programming mode (IDX LED continuously On). This mode is turned off by pressing the power button on the CD changer.
47	Reset Features Resets to "6-disc combo" and "soft play". (Factory reset)	48	Erase Song Memory Select this operation to clear all song memory programming. Record selections will only play programmed song positions. CD combo initialization is not affected.
49	Pre-set Vinyl Selection Songs #1 (Record & CD Combo) 200 vinyl song selections are assigned using the first 10 tracks on 20 consecutive CDs starting with CD number 11.	50	Pre-set Vinyl Selection Songs #2 (Record Only) 200 vinyl song selections are assigned using the first 10 tracks on 20 consecutive CDs starting with CD number 1.
	Combo CDs: 1-10, Vinyl CDs: 11-30		Vinyl CDs: 1 - 20

Programming Vinyl Record Selections

To program individual record selections, you must be in Song Program Mode (IDX LED on). Place the setup disc into CD position 46 then press PLAY. The disc will stop and the IDX LED will remain on.

If your using the CD combo feature, CD's 1 to 6 (or 10) should not be used for vinyl selections.

Select a desired song and start play. While the song is playing, make a selection on the jukebox to which this song will be assigned to. When the selection is successfully programmed, the song will stop playing.

Continue selecting the next song play and making jukebox selections until all desired songs have been programmed. All programming is stored in memory which is unaffected by a loss of power.

Turn off the Song Program Mode by pressing the POWER button on the CD changer.

CD Combo Programming

CD combo initialization is performed by the jukebox Central Control Computer. The Mechanism Converter translates the combo commands to Sony CD changer commands. Depending on your setup configuration, the first six (feature 30) or ten (feature 31) CD's in the Sony changer will be assigned to combo selections.

CD Initialization

To perform the CD initialization, place the jukebox service switch into the SERVICE position then enter 777 on the keypad. When initialization starts, four dashes will appear on the CCC display. When the initialization is complete, the CCC display will go blank.

Playing CD Combo Selections

On a combo jukebox, CD's are selected by entering a four digit number. The first digit is always "5" for CD selections. The second digit is the disc number minus one. To select disc "1", you would enter "0". The last two digits are the track # of the song you wish to play. For example, if you wanted to play disc 3, track 9, you would enter "5209" on the keypad.

Sony Changer Models

- CDP-CX53
- CDP-CX55
- CDP-CX57
- CDP-CX70ES
- CDP-CX88ES
- CDP-CX200
- CDP-CX205
- CDP-CX210
- CDP-CX220
- CDP-CX225
- CDP-CX230
- CDP-CX235
- CDP-CX240
- CDP-CX250
- CDP-CX255
- CDP-CX260
- CDP-CX270
- CDP-CX333ES
- CDP-CX555ES
- CDP-CX300
- CDP-CX335
- CDP-CX350
- CDP-CX355
- CDP-M333ES
- CDP-M555ES
- CDP-CX400
- CDP-CX450
- CDP-CX455

Record Worksheet

Rec #		Rec #		Rec #		Rec #		Rec #		Rec #		Rec #			
100		113		126		139		152		165		178		191	
200		213		226		239		252		265		278		291	
101		114		127		140		153		166		179		192	
201		214		227		240		253		266		279		292	
102		115		128		141		154		167		180		193	
202		215		228		241		254		267		280		293	
103		116		129		142		155		168		181		194	
203		216		229		242		255		268		281		294	
104		117		130		143		156		169		182		195	
204		217		230		243		256		269		282		295	
105		118		131		144		157		170		183		196	
205		218		231		244		257		270		283		296	
106		119		132		145		158		171		184		197	
206		219		232		245		258		271		284		297	
107		120		133		146		159		172		185		198	
207		220		233		246		259		272		285		298	
108		121		134		147		160		173		186		199	
208		221		234		247		260		273		286		299	
109		122		135		148		161		174		187			
209		222		235		248		261		274		287			
110		123		136		149		162		175		188			
210		223		236		249		262		275		288			
111		124		137		150		163		176		189			
211		224		237		250		263		276		289			
112		125		138		151		164		177		190			
212		225		238		251		264		277		290			