



Complete wallbox list on following page

Product Highlights

- No hole drilling or wallbox modifications required
- Allows player usage without being hooked up to a wallbox
- Folder numbers: 01-99, MP3 or WAV audio files: 001-255
- Stores up to 80 wallbox or remote selections to be played

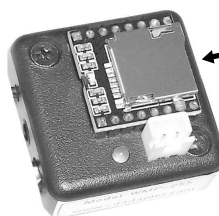
*The SD Memory Card Formatter can be Downloaded here

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

Wallbox Music Player

Model "WMP-255"



- Micro-SD, up to 32GB capacity
- Supports MP3 or WAV formats
- 99 folders with each to 255 songs
- Worlds smallest player, 35 x 35 x 22mm
- Remote selectable Volume & Equalizer
- Amplifier output for Wallbox Speakers
- Audio out jack for ext Amp or Bluetooth
- LED to show WB Signal & Player Status

Setup Code
0041



Wireless Remote Control

- | | |
|----------------------------|---------------------------|
| CHAN+ AutoPlay On | CHAN- AutoPlay Off |
| VOL+ Volume Up | VOL- Volume Down |
| MUTE Tog Play/Pause | POWER Cancel Song |

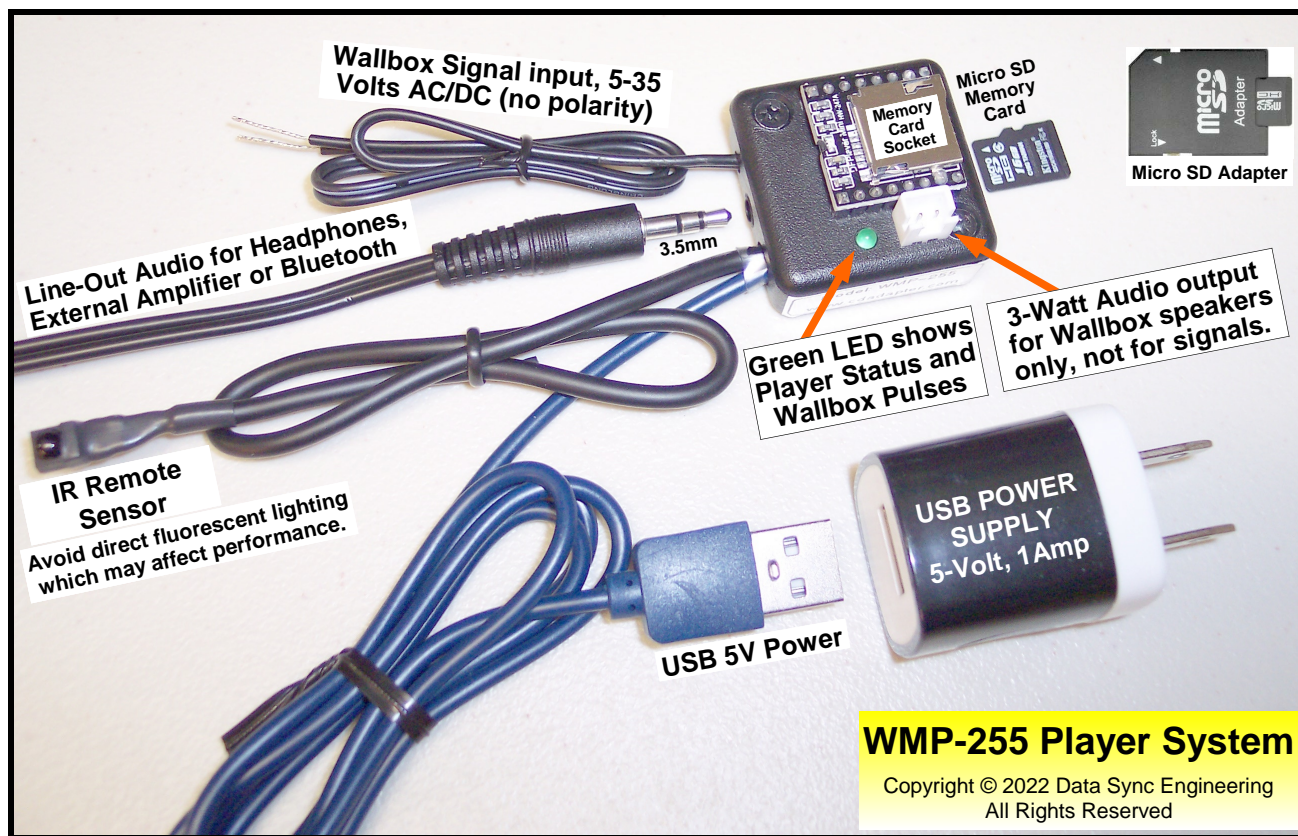
Numeric Buttons

- | |
|---|
| 001 - 255 Direct 3-digit Wallbox Folder selections |
| 000 Enter Setup Mode (LED On) See Below |

- | | |
|----------------------------------|---------------------------------|
| 301 - 399 AutoPlay Folder | 401 - 475 Option Modes |
| 500 - 507 AP Interval | 600 - 630 Pwr On Volume |
| 700 - 705 EQ Profile | 801 - 899 Wallbox Folder |
| 901 - 919 Wallbox Type | |

Operating Features

- Select individual folders for Wallbox & AutoPlay selections
- Select Random or Sequential AutoPlay mode
- Select AutoPlay Off, On & Time Period Interval
- Built-In Wallbox testing and song preview modes



WMP-255 Player System

Copyright © 2022 Data Sync Engineering
All Rights Reserved



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

CONFIGURATION SETUP SUMMARY

The setup mode is entered after pressing the remote 000. When the green LED turns continuously on, enter the 3-digit function value to program your setting. If you changed your mind, and wish to exit, press any non-numeric button such as POWER.

Digit Range	Function	Factory	Comments
001 - 255	User 3-Digit Selection Entry	- - -	Direct 3-digit song selection from wireless remote when not in Setup
301 - 399 <input checked="" type="checkbox"/>	AutoPlay Folder Number	301	Set Folder # for AutoPlay selections (see <i>Op Mode 472/473</i>)
401 - 477 <input checked="" type="checkbox"/>	Set Operating Configuration	- - -	See " <i>Operating Mode Options</i> " below
500 - 507	Autoplay Interval Setting	500	See " <i>AutoPlay Interval Settings</i> " below
600 - 630	Power-On Volume Level	622	This volume level setting is saved and used at each power up
700 - 705	Equalizer Profile Setting	700	Saved as default, e.g., 700: EQ Off, 703: Bass, 704: Loudness
801 - 899 <input checked="" type="checkbox"/>	Wallbox & 3-Digit Folder #	801	Set Folder Number for WB & User 3-Digit (see <i>Op Mode 474/475</i>)
901 - 919 <input checked="" type="checkbox"/>	Set Wallbox Type Number	906	See " <i>Wallbox Type Settings</i> " below

☒ Some "Operating Mode Option" changes may perform a player reboot. ☒ Player reboots after Wallbox Type Number entered.

Enter 4nn for sequential wallbox testing. nn=WB type 01-18. Selections to be in numerical order. 3-error blinks upon error. VOL- / VOL+ changes volume level. 491 then MUTE, forces factory reset, 4-error blinks follow, requires power cycled reboot.

Operating Mode Options

Value	Function	Factory Reset = ✖
401➔419	One-time WB Sequential Test	
450 <input checked="" type="checkbox"/>	50Hz AC Line Frequency	
460 <input checked="" type="checkbox"/>	60Hz AC Line Frequency	✖
470	Randomized AutoPlay Selections	✖
471	Sequential AutoPlay Selections	
472 <input checked="" type="checkbox"/>	AP Folder, set as "Save&Run"	✖
473	AP Folder, set as "On The Fly"	
474 <input checked="" type="checkbox"/>	WB Folder, set as "Save&Run"	✖
475	WB Folder, set as "On The Fly"	
476	Selection Preview is OFF	✖
477	Selection Preview is ON	

"Randomized AutoPlay" only works with song folders having 33 or more song files, otherwise, the player automatically selects "Sequential AutoPlay".

If "Selection Preview" is on, and a song is playing, the next Wallbox or Remote selection will cancel the current song play and start the new song play.

AutoPlay Interval Settings

Value	Autoplay Mode
500	Off (Factory Reset)
501	Continuous
502	1-Min Interval
503	5-Min Interval
504	10-Min Interval
505	20-Min Interval
506	40-Min Interval
507	60-Min Interval

Wallbox Type Settings

Value	Wallbox Model Description (Factory Reset is 906)
901	Seeburg SC1-SC4, SCH1-SCH4 (160-Select)
902	Wurlitzer 5210 / 5220 / 5250 (200-Select)
903	Seeburg 3W1 & 3W100 (100-Select)
904	Seeburg 3WA (200 Select) / 3W160 (160 Select)
905	Rowe WRA / WRB / WRC (200-Select)
906	AMI W-40 / W-80 / W-120 / WQ-200 (40-200 Select)
907	Wurlitzer 5207 (104-Select)
908	Wurlitzer 5225 (100-Select)
909	Wurlitzer 3020 (24-Select) "Single set"
910	Rock-ola 1558 / 500 (160 Select), 1555 (120/200 Select)
911	Rock-ola 506 (160-Select)
912	Rock-ola 507 (160-Select)
913	Rock-ola "Johnny Rockets" Digital 3W1, 100 Select
914	Rock-ola 1542 / 1548 (120-Select)
915	Rock-ola 1544 / 1546 (120-Select)
916	Wurlitzer 5204A "3-terminal" (104-Select)
917	Rock-ola 1542 / 1548 (120-Select) ALT Configuration
918	Rock-ola 1544 / 1546 (120-Select) ALT Configuration
919	Custom Wallbox Configuration (requires setup steps)

Green LED Error Blink Indications

2	Wallbox type setup error, verify correct value was entered
3	Sequential wallbox test failed (expected code not received)
4	Factory reset was performed, re-power unit to continue
5	Unable to get a song count from Wallbox or AutoPlay folder Wallbox & AutoPlay folders reset to "01", re-power to continue

ABOUT THE SONG FOLDERS AND FILES

Any folder, containing song files, can be assigned for Wallbox and/or AutoPlay selections. The folder name itself, is limited to only two numeric digits 01 to 99. Each song filename, within the folder, starts with the first three numeric digits 001 to 255 and ends with the last four character extension type, such as ".MP3" or ".WAV".

The player supports two Media File format types

MP3	(MPEG-1 Layer 3)	Compressed format, Bit Rates 32 to 320 kbps (Much smaller files ~ 75-95%)
WAV	(Waveform Audio Format)	An uncompressed audio format developed by Microsoft and IBM.

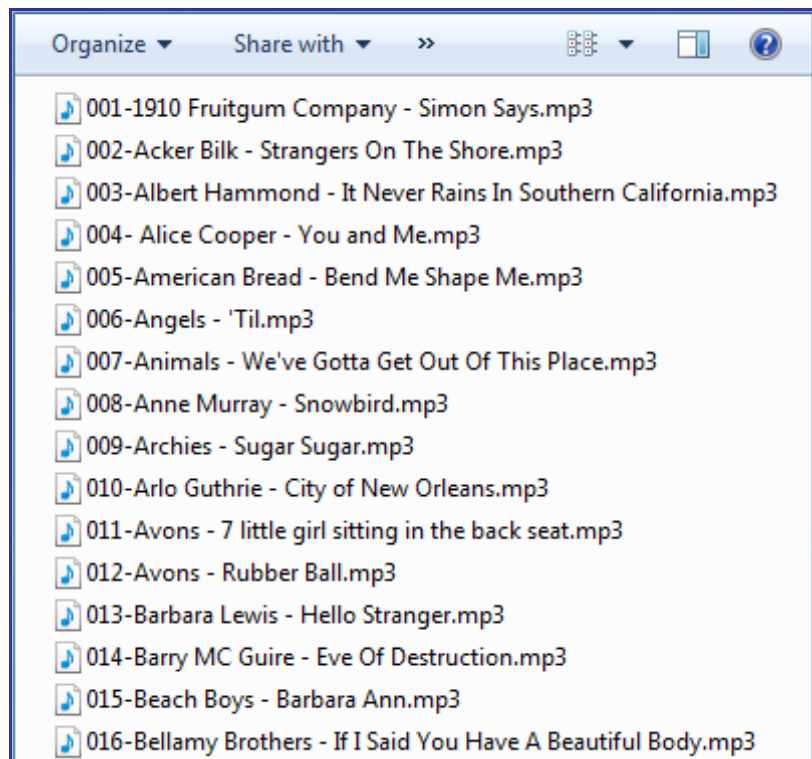
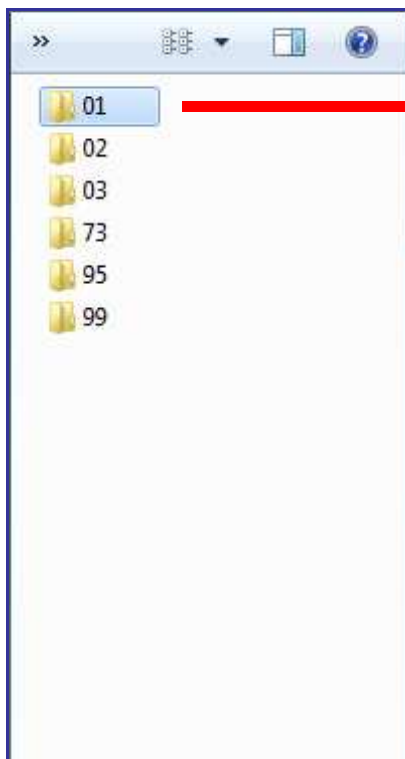
The examples below show the file size differences between the formats

001-Rock around the clock.mp3	2,065 KB	MP3 Format Sound	(@ 128 kbps, Near CD Qual)
002-Rock around the clock.mp3	3,098 KB	MP3 Format Sound	(@ 192 kbps, CD Quality)
003-Rock around the clock.mp3	5,163 KB	MP3 Format Sound	(@ 320 kbps, Max bit rate)
004-Rock around the clock.wav	22,751 KB	Wave Sound	(PCM, 44 kHz, 2 Ch, 16-bit)

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 larger file sizes. Many agree that the bit rate of 192Kbps is very close to CD quality (as we recommend).

EXAMPLE FOLDERS AND THE FILES WITHIN A FOLDER



Folder names can only be a two digit number from 01 to 99.



Each folder can have up to 255 song files. The file format types can be either MP3 or WAV.

The first three numeric digits of the filename identify the song number position and must be in sequential order starting with 001 and up to the maximum of 255. Although, some wallboxes would only select up to 200, the AutoPlay feature will select up to the number of available songs.

Setting Up the Remote Control

To set the code for this remote, Press & Hold the "Code Search" button until the LED remains on, then enter digits 0041.

The LED should turn off. Error if blinking, and requires to repeat this step again.

If the LED didn't turn on from the Code Search, remove the battery and hold the POWER button a few seconds. Re-insert the battery and try again.

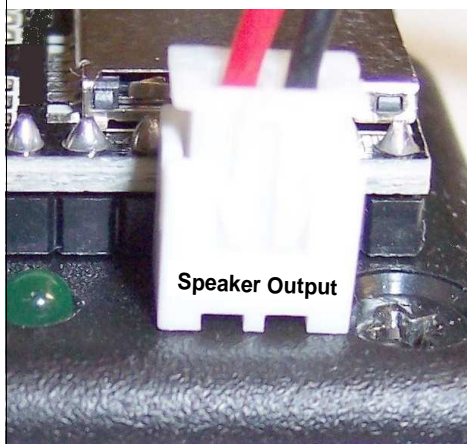
Lost your Remote ?

Most Universal Remotes are available that will work with this player.

See the section to Force the player into "Power-Up Test". When it starts to play, Follow the manufacturers "Code Search" steps for TV. The song stops playing when the POWER code is found.

Wallbox Speaker Connection

Red Wire + — Black Wire



The speaker output audio is produced from a stereo mixer circuit fed into a mono bridged audio power amplifier capable of delivering 3W of continuous average power into a 3Ω load with less than 10% THD.

The Red wire is looped to both the Left and Right speaker connection and the Black wire is connected to speaker COM.

This provides consistent audio from both speakers while allowing the use of the wallbox High -- Low volume switches.

Don't Have A Wallbox Yet ?

Not A Problem !

A wallbox is not necessary to operate this player. You can enter your selections from the Remote. Operates exactly the same way, as if it was from the wallbox.

Provides you with the opportunity to test and evaluate the player for your project.

For comparison, we would say this player is the miniature version of our popular WB-MP3 player, with a few more features.

Wallbox Selections

A wallbox transmits a series of pulses which are decoded by the player to select a song number.

The sequence of song numbers were designed to match the title strips. The top of the 1st title strip selects song 001, the bottom of the strip selects 002. Top of the next title strip selects 003 and the bottom 004. This sequence continues to the end.

Before using the wallbox, you need to set the model type connected. This is done from the setup mode. Press 000 on the remote, after the green LED turns on, enter the 3-digit value from the list.

Throughout the manual, the setup step above will be shown as 000: with the value or range of values provided.

000: 901-918 Set the wallbox type
000: 450/460 Set the line frequency
000: 801-899 Set wallbox song folder

Two mode options for folder changes ...

000: 474 WB folder "Save&Run"
000: 475 WB folder "On The Fly"

"Save&Run" stores the setup value to power-up memory then reboots. If a song was playing, it is stopped and all songs waiting to be played will be erased.

"On The Fly" only changes the run value, and is not saved. If a song was playing, it will continue to play. The next selection will be from the new "run value" folder. ⚠ Although, it can be instantly changed at any time, it does not reboot to renew the song count which may cause song delay. It is recommended that the new folder has a higher or same song count as the original boot-up folder.

Wireless Remote Selections

Remote selections are user direct 3-digit song number selections, from 001 to 255, and uses the same folder number as the wallbox selections.

Both, wallbox and remote selections, are saved to memory and played in the order received.

Selection Preview Mode

If "Selection Preview" is ON, and a song is currently playing, the next Wallbox or Remote selection will cancel the current song play and start the new song play.

000: 476 Selection Preview OFF
000: 477 Selection Preview ON



Selection Preview was not just a requested feature for song surfers, but also provides the ability to demonstrate, test and verify the wallbox performance

AutoPlay Selections

AutoPlay is a feature that picks songs at a chosen period of time when no Wallbox or Remote selection is available to play.

Any folder can be used for AutoPlay. Two play modes are available, Sequential or Randomized selections. But if a folder has less than 33 song files, the player automatically selects "Sequential Mode"

000: 500-507 Set AutoPlay interval
000: 470 Randomized AutoPlay
000: 471 Sequential AutoPlay
000: 301-399 Set AutoPlay folder

Two mode options for folder changes ...

000: 472 AP folder "Save&Run"
000: 473 AP folder "On The Fly"

Selection Preview causes the AutoPlay selection to be cancelled.

Power On Volume Level

At "Power On", the volume level setting saved in power-up memory is used.

The Factory Reset volume level is 622. The Maximum volume level is 630.

000: 600-630 Set the volume level

Set the Equalizer Profile

At "Power On", the EQ profile setting saved in power-up memory is used.

The Factory Reset setting is 700 (no EQ). Six EQ settings are available 700 to 705.

You would need to try each one to see which is suitable for your acoustics.

000: 700-705 Set the EQ profile

One-Time WB Sequential Test

This is actually used as a Factory Test

It works by booting up into test mode as defined by the wallbox type specified.

When started, it is expecting every WB selection to be in sequential order from 001 up to 200.

3-Error blinks indicates a sequence error.

000: 401-419 Start WB sequence test

How to Force Power-Up Test

Hold wallbox input wires across 9-volt battery and power-up unit. Starts up in Continuous AutoPlay at song #1 in Sequential mode from the wallbox folder number. Disconnect battery.

If unable to get the song count, shows a 5-blink error and the wallbox folder # is reset to 01.

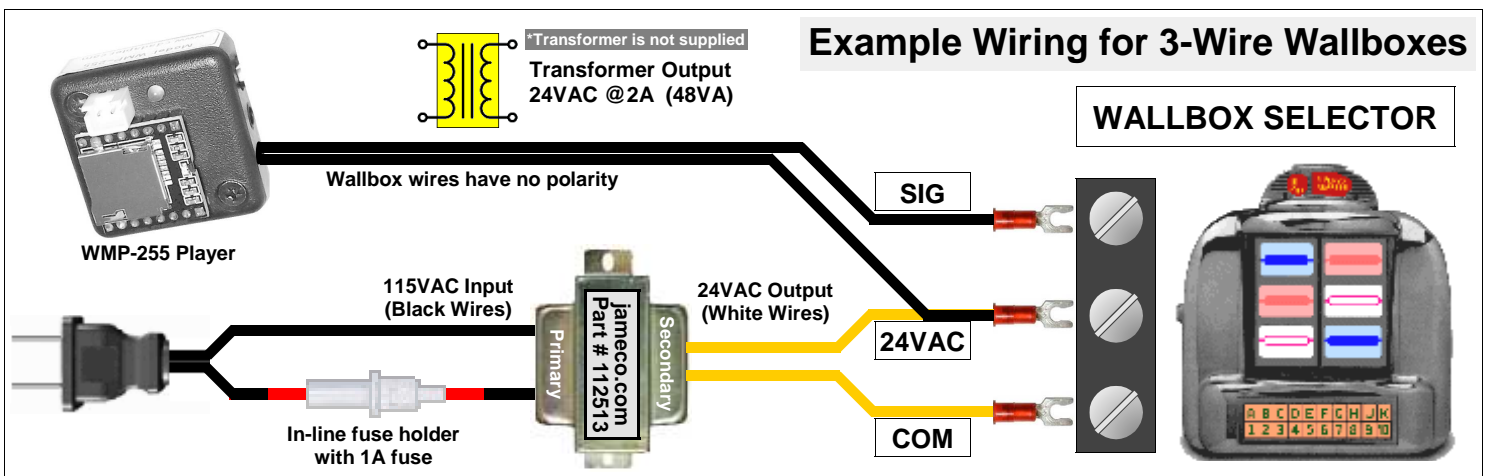
Re-power the unit to try again. If the same error again, the folder may be empty or memory card is corrupted. Try to reformat and load SD card.

SONG TEST. Enter 3-digit song selections from the Remote. If a song is currently playing, it is cancelled, the new entered selection is started.

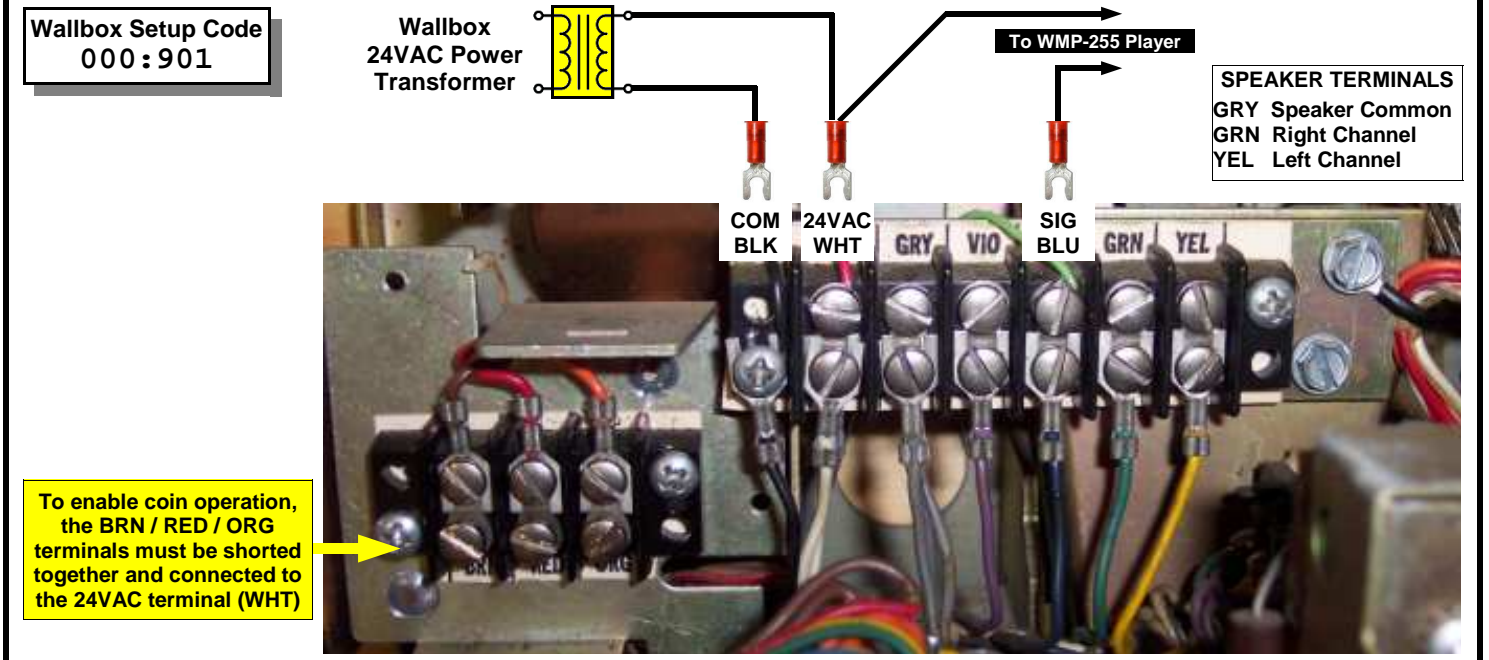
The POWER key cancels the current song play and starts the next sequential song play.

The PREV key cancels the current song play and starts the previous song play.

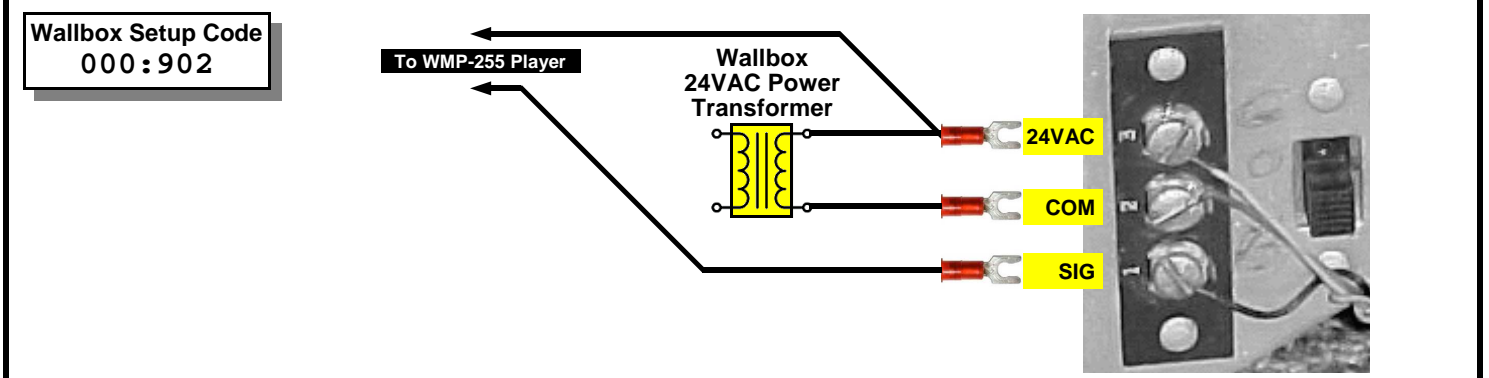
CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER



Seeburg Consolette SC1 to SC4 and SCH1 to SCH4 (160 select)



Wurlitzer 5210 (200 select)

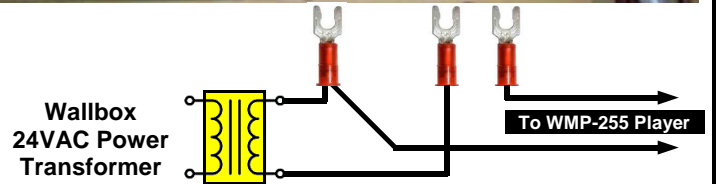
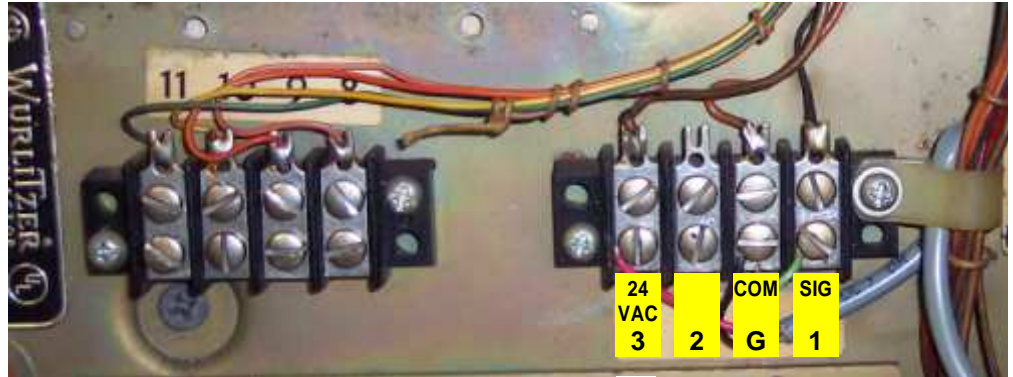


CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

Wurlitzer 5220 (200 select) and Wurlitzer 5225 (100 select)

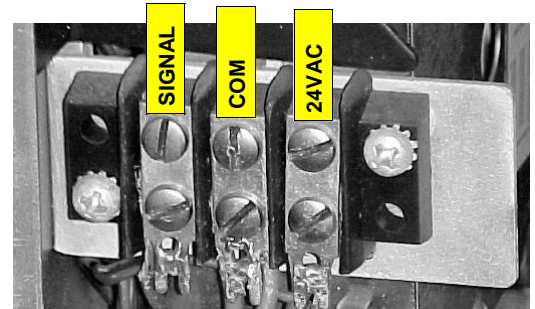
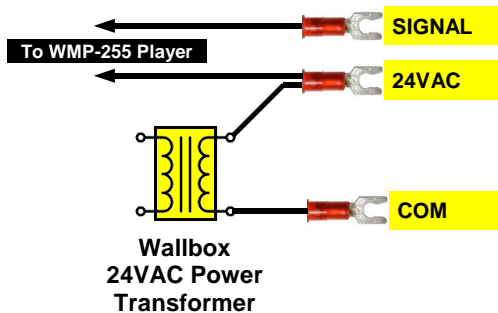
5220 - Setup Code
000:902

5225 - Setup Code
000:908



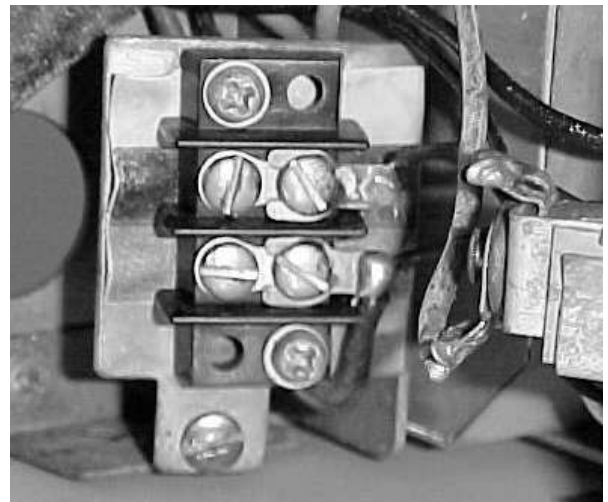
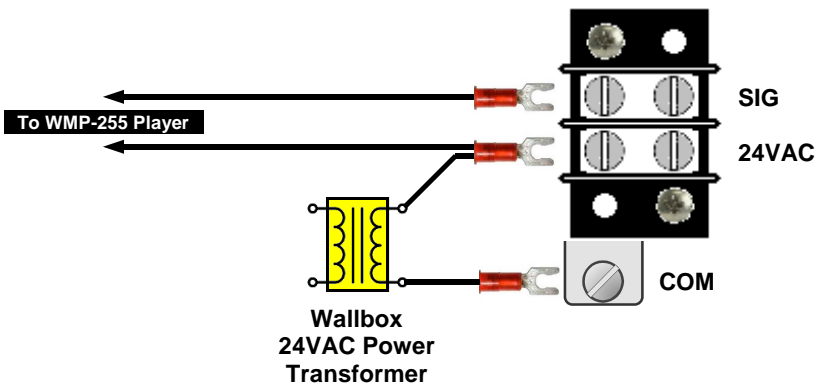
Wurlitzer 5250 (200 select)

Wallbox Setup Code
000:902



Seeburg Wall-o-matic 3W1 / 3W100 (100 select)

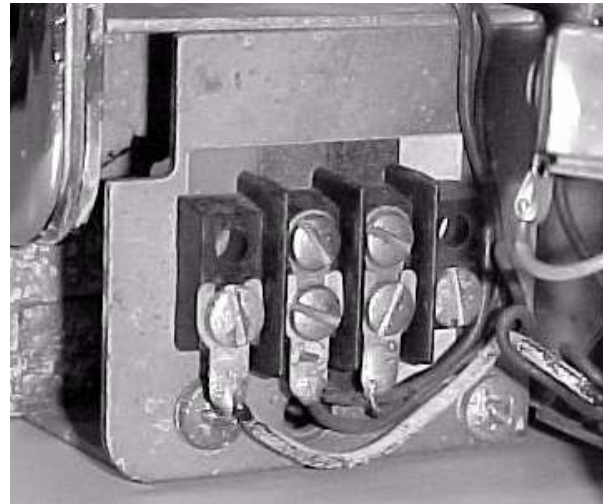
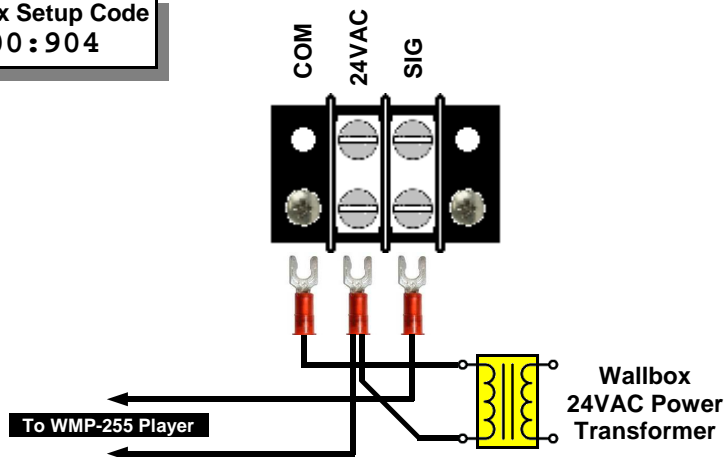
Wallbox Setup Code
000:903



CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

Seeburg Wall-o-matic 3WA / 3W160 (200/160 select)

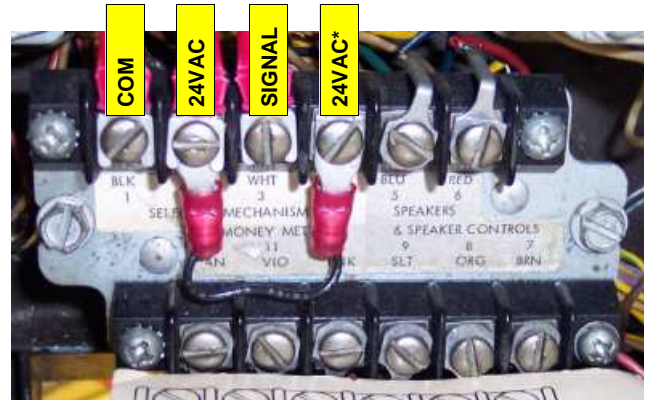
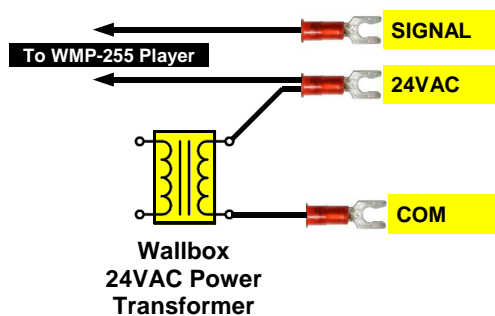
Wallbox Setup Code
000:904



Rowe WRA / WRB / WRC (200 select)

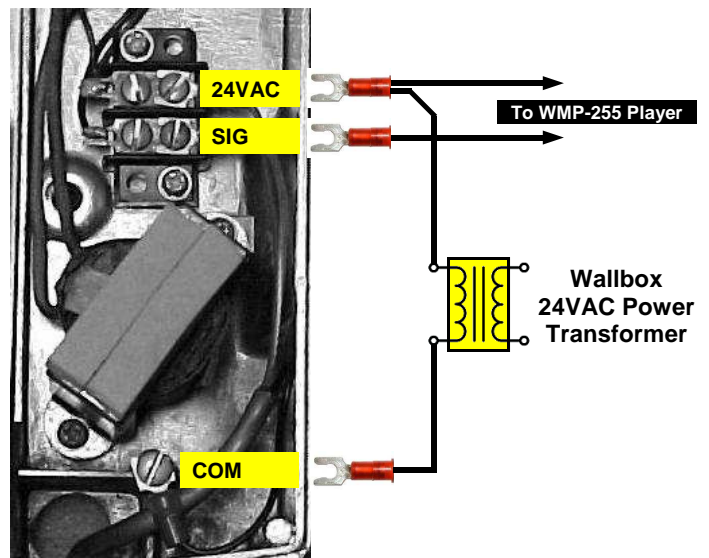
Wallbox Setup Code
000:905

A wire jumper must be inserted from the 24VAC main power terminal (#2) to the 24VAC* keypad motor terminal (#4).



AMI W-40 / W-80 / W-120 (40 / 80 / 120 select)

Wallbox Setup Code
000:906

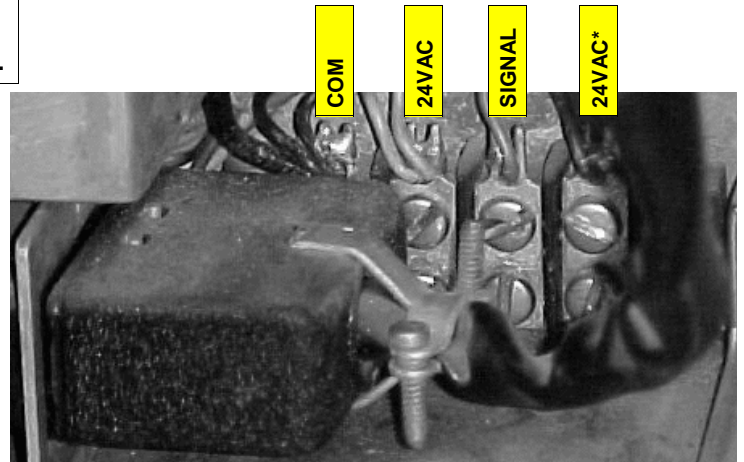
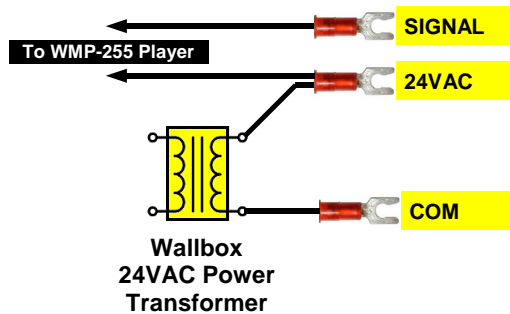


CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

AMI WQ-200 (200 select)

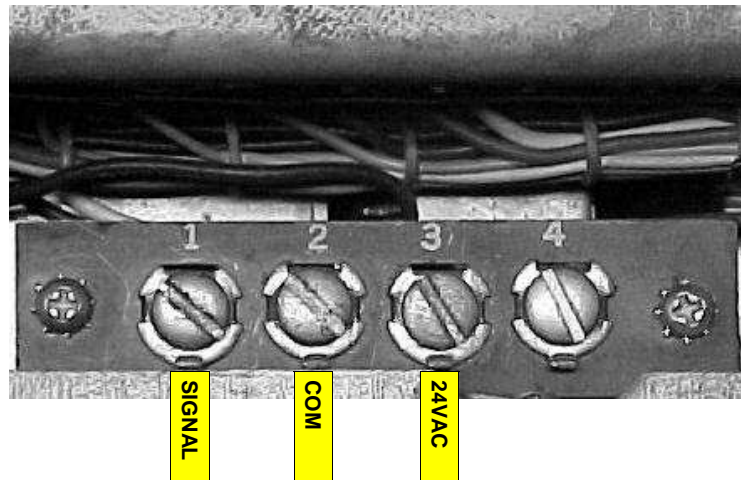
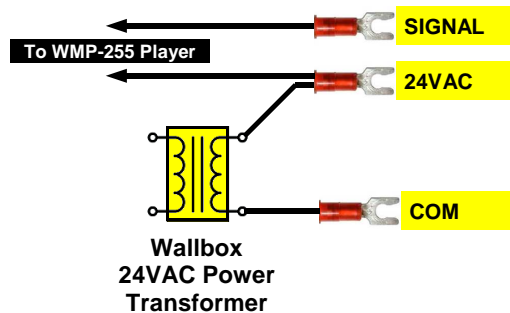
Wallbox Setup Code
000:906

A wire jumper must be inserted from the 25VAC main power terminal to the 25VAC* lock-out.



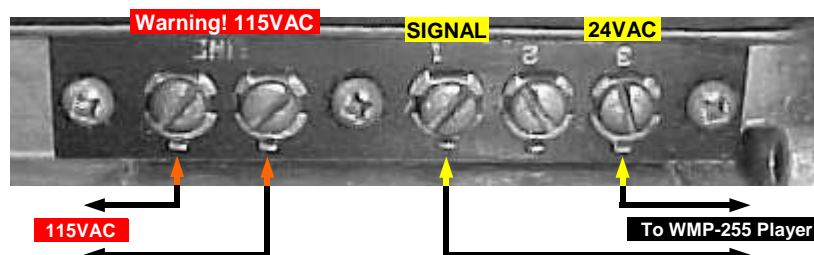
Wurlitzer 5207 (104 select)

Wallbox Setup Code
000:907



Wurlitzer Model 3020 Wallbox (24 select)

Wallbox Setup Code
000:909



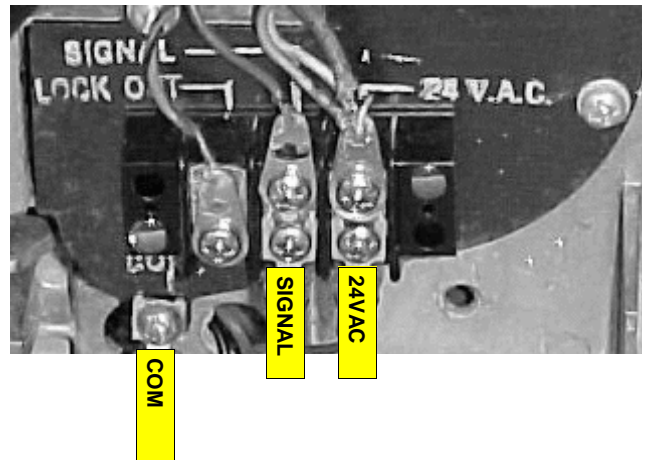
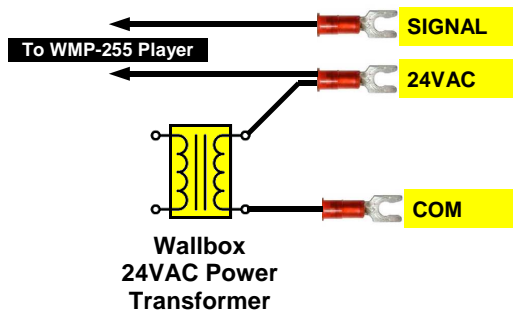
This wallbox has its own "built-in" transformer and requires a 120VAC power cord.

The wallbox adapter only requires the two wire connection to terminal #1 and terminal #3.

CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

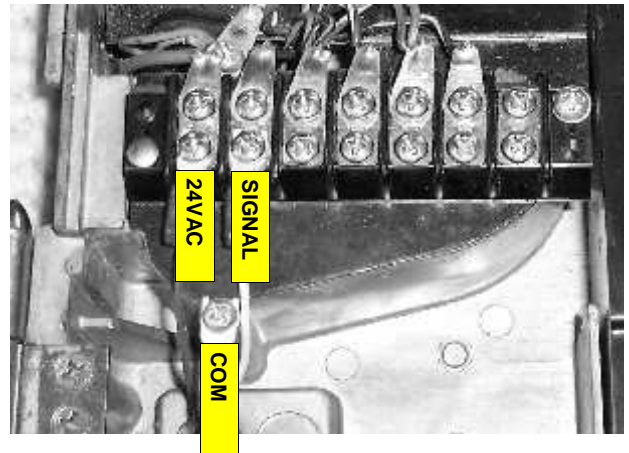
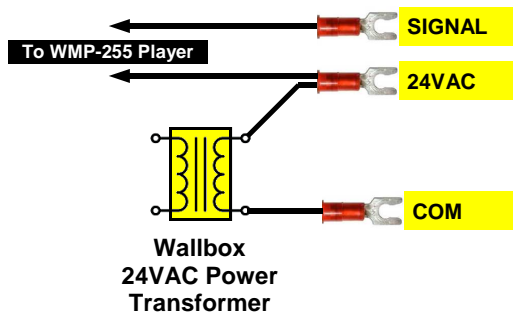
Rock-Ola 1558 (160 select)

Wallbox Setup Code
000:910



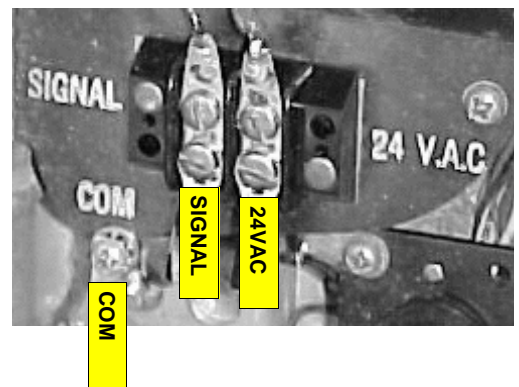
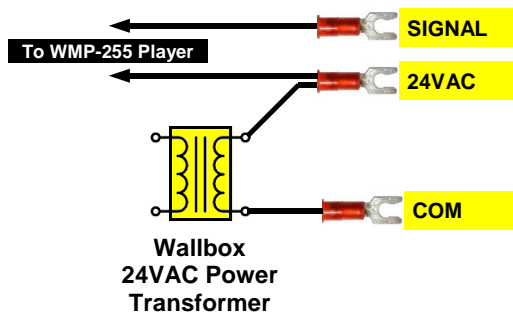
Rock-Ola 500 (160 select)

Wallbox Setup Code
000:910



Rock-Ola 1555 (200 select)

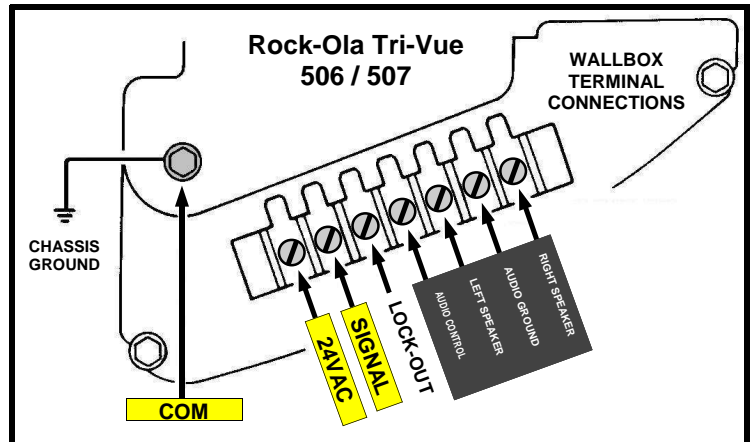
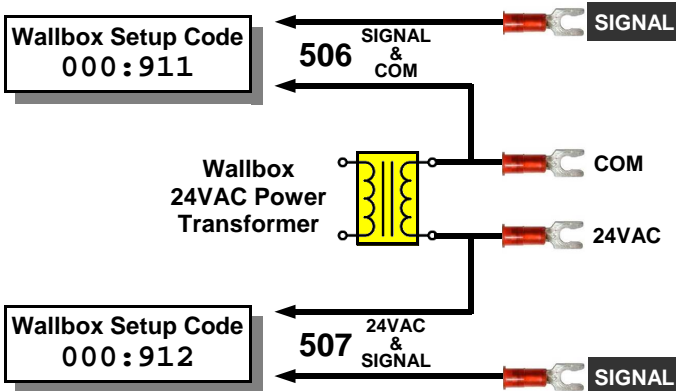
Wallbox Setup Code
000:910



CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

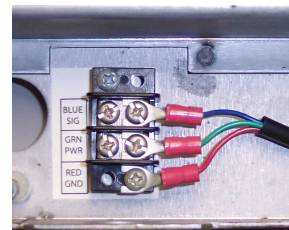
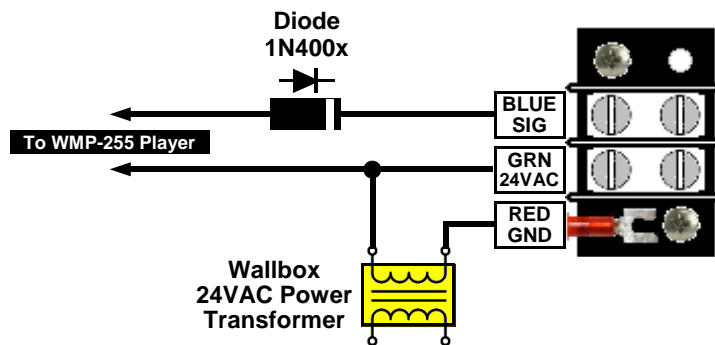
Rock-Ola Tri-Vue 506 and 507 (160 select)

"506" Top P.C. board, green jumper wire, must be at the "A" position)
Signals are wired differently between the 506 and 507 model



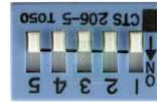
Rock-Ola JR1/JRW, "Johnny Rockets" Seeburg 3W1 Replica Wallbox (100 select)

Wallbox Setup Code
000:913



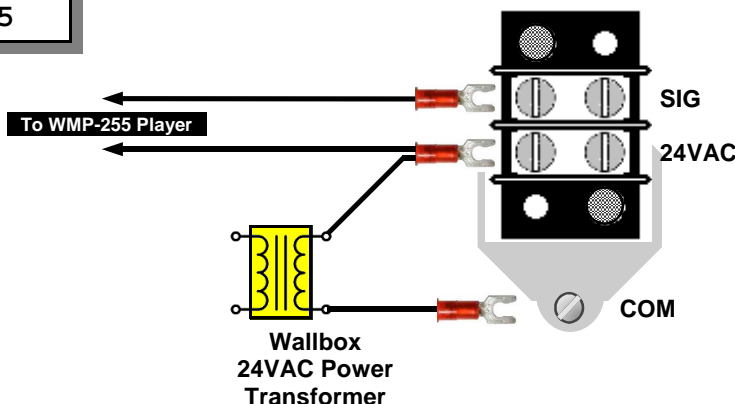
The Johnny Rockets JRW wallbox is an electronic replica of the Seeburg 3W1 mechanical wallbox. Wallbox power is rated for 24VAC @ 250 mA. This wallbox does not have a coin acceptor (which is notable by the missing coin reject button). Instead, any coin provides a single play or it can be set for Free Play by unplugging the 4-pin J2 connector.

Set all dipswitch settings to the OFF (up) position



Rock-Ola 1544/1546 (120 select)

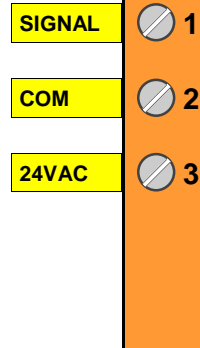
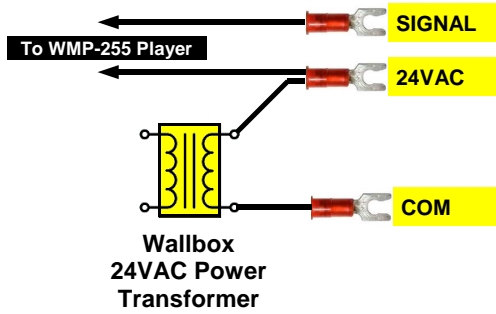
Wallbox Setup Code
000:915



CONNECTING YOUR WALLBOX TO THE WMP-255 PLAYER (cont.)

Wurlitzer 5204A (104 select)

Wallbox Setup Code
000:916



WALLBOX TO SONG NUMBER SELECTION CHART

SEQUENCED NUMBER WALLBOXES

SEQUENCED LETTER WALLBOXES

SELECTED SONG NUMBER

NBR	LTR	SONG
A1	A1	001
A2	B1	002
A3	C1	003
A4	D1	004
A5	E1	005
A6	F1	006
A7	G1	007
A8	H1	008
A9	J1	009
A0	K1	010
B1	L1	011
B2	M1	012
B3	N1	013
B4	P1	014
B5	Q1	015
B6	R1	016
B7	S1	017
B8	T1	018
B9	U1	019
B0	V1	020
C1	A2	021
C2	B2	022
C3	C2	023
C4	D2	024
C5	E2	025
C6	F2	026
C7	G2	027
C8	H2	028
C9	J2	029
C0	K2	030
D1	L2	031
D2	M2	032
D3	N2	033
D4	P2	034
D5	Q2	035
D6	R2	036
D7	S2	037
D8	T2	038
D9	U2	039
D0	V2	040
E1	A3	041
E2	B3	042
E3	C3	043
E4	D3	044
E5	E3	045
E6	F3	046
E7	G3	047
E8	H3	048
E9	J3	049
E0	K3	050

NBR	LTR	SONG
F1	L3	051
F2	M3	052
F3	N3	053
F4	P3	054
F5	Q3	055
F6	R3	056
F7	S3	057
F8	T3	058
F9	U3	059
F0	V3	060
G1	A4	061
G2	B4	062
G3	C4	063
G4	D4	064
G5	E4	065
G6	F4	066
G7	G4	067
G8	H4	068
G9	J4	069
G0	K4	070
H1	L4	071
H2	M4	072
H3	N4	073
H4	P4	074
H5	Q4	075
H6	R4	076
H7	S4	077
H8	T4	078
H9	U4	079
H0	V4	080
J1	A5	081
J2	B5	082
J3	C5	083
J4	D5	084
J5	E5	085
J6	F5	086
J7	G5	087
J8	H5	088
J9	J5	089
J0	K5	090
K1	L5	091
K2	M5	092
K3	N5	093
K4	P5	094
K5	Q5	095
K6	R5	096
K7	S5	097
K8	T5	098
K9	U5	099
K0	V5	100

NBR	LTR	SONG
L1	A6	101
L2	B6	102
L3	C6	103
L4	D6	104
L5	E6	105
L6	F6	106
L7	G6	107
L8	H6	108
L9	J6	109
L0	K6	110
M1	L6	111
M2	M6	112
M3	N6	113
M4	P6	114
M5	Q6	115
M6	R6	116
M7	S6	117
M8	T6	118
M9	U6	119
M0	V6	120
N1	A7	121
N2	B7	122
N3	C7	123
N4	D7	124
N5	E7	125
N6	F7	126
N7	G7	127
N8	H7	128
N9	J7	129
N0	K7	130
P1	L7	131
P2	M7	132
P3	N7	133
P4	P7	134
P5	Q7	135
P6	R7	136
P7	S7	137
P8	T7	138
P9	U7	139
P0	V7	140
Q1	A8	141
Q2	B8	142
Q3	C8	143
Q4	D8	144
Q5	E8	145
Q6	F8	146
Q7	G8	147
Q8	H8	148
Q9	J8	149
Q0	K8	150

NBR	LTR	SONG
R1	L8	151
R2	M8	152
R3	N8	153
R4	P8	154
R5	Q8	155
R6	R8	156
R7	S8	157
R8	T8	158
R9	U8	159
R0	V8	160
S1	A9	161
S2	B9	162
S3	C9	163
S4	D9	164
S5	E9	165
S6	F9	166
S7	G9	167
S8	H9	168
S9	J9	169
S0	K9	170
T1	L9	171
T2	M9	172
T3	N9	173
T4	P9	174
T5	Q9	175
T6	R9	176
T7	S9	177
T8	T9	178
T9	U9	179
T0	V9	180
U1	A0	181
U2	B0	182
U3	C0	183
U4	D0	184
U5	E0	185
U6	F0	186
U7	G0	187
U8	H0	188
U9	J0	189
U0	K0	190
V1	L0	191
V2	M0	192
V3	N0	193
V4	P0	194
V5	Q0	195
V6	R0	196
V7	S0	197
V8	T0	198
V9	U0	199
V0	V0	200