

QUICK START MANUAL CR-CDI1000-LSCAPE

CR-CDI2000-LSCAPE





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page | 3

OVERVIEW

This Quick Start Guide provides the basic information that is needed to install a CR-CDI1000-LSCAPE or CR-CDI2000-LSCAPE amplifier. Refer to the Owner's Manual provided with the amplifier for more details about the amplifier.

PACKAGE CONTENTS

- 1x CR-CDI1000-LSCAPE or CR-CDI2000-LSCAPE amplifier
- 1x Owner's Manual
- 1x Quick Start Guide
- 1x L+R Mono Input Adapter
- 5x Spade Lugs
- 2x 3-Conductor Phoenix Connectors
- 2x Tamper Resistant Level Knobs

CALCULATING AMPLIFIER POWER

The number of satellites or subwoofers that can be connected is determined by the amplifier's power. As the number of speakers increases, the power that is available to each decreases. Plan the system so that each speaker can receive the highest level of wattage available.

NOTE: Only satellites with 70V tap settings need to be calculated. 8Ω satellites and subwoofers do not require calculation.

Speaker Tap Setting (A)	CH1 Qty (B)	Ch2 Qty (C)	Ch1 Total (A x B)	Ch2 Total (A x C)
3.75W				
7.5W				
15W				
30W				
60W				
		Sub Total		
		Total Watts		

NOTE: As with any 70V installation, we recommend leaving 20% of headroom, using only 80% of the rated power of the amplifier. For the CR-CDI1000-LSCAPE this is 400W/channel, for the CR-CDI2000-LSCAPE this is 800W/ channel

SOURCE INPUT WIRING

Mono Adapter Usage

For convenience we have included a pre terminated unbalanced line level RCA to Phoenix connector. This adapter converts a stereo signal to mono to feed both channels. We recommend that this method be used in place of the settings for summing within the amplifier.



Other Wiring Options

Sources may be connected without the use of the included adapter; please see the included Crown amplifier manual for details on how to connect to the amplifier without using the adapter.

NOTE: The source inputs for the amplifier require an input signal between 1.8 – 2V to perform at optimum levels. When a source that falls below the required voltage is used, we recommend that a pre-amp or balanced line level converter be used to compensate for the lower output of unbalanced signals.

SPEAKER WIRING

8Ω Wiring

Burial-rated wire is recommended for all installations.

For Maximum Performance:

- For wire runs up to 100 feet, 16 gauge wire or larger is recommended.
- For wire runs up to 200 feet, 14 gauge wire or larger is recommended.
- For wire runs up to 300 feet, 12 gauge wire or larger is recommended.

NOTE: Smaller wire gauges may be used, but overall performance will be reduced depending on the wire gauge used. The chart below shows the wire length and the amount of signal loss that you can expect on a typical run.

WIRE GAUGE	8Ω SPEAKERS			4Ω SPEAKER (OR TWO 8Ω SPEAKERS IN PARALLEL)		
	11% Power Loss	21% Power Loss	37% Power Loss	11% Power Loss	21% Power Loss	37% Power Loss
12	291 ft	622 ft	1352 ft	143 ft	331 ft	680 ft
14	189 ft	403 ft	876 ft	92 ft	199 ft	437 ft
16	117 ft	225 ft	553 ft	61 ft	128 ft	278 ft
18	87 ft	194 ft	405 ft	41 ft	92 ft	201 ft

70V Wiring

One of the advantages of 70V systems is that a smaller wire gauge can be used. A 20ga cable can be used for up to 1,147 feet with only an 11% power loss. An 18ga cable can be used for up to 2,029 feet and a 16ga up to 2,783 feet. Burial-rated wire is recommended for all outdoor installations.



LS4, LS6, and LS8 speakers can be connected to either channel.



The ES-LS-BSUB-12 or ES-LS-HSUB-10 must be connected to Channel 1 of the Crown amp.

LS4, LS6, or LS8 may be connected to Channel 2.

DSP Presets

The CR-CDIX000-LSCAPE comes preloaded with EQ presets that allow for the sound to be tailored to the system. Using these presets will ensure that the best sound possible is being achieved by the system.

Using Presets

- 1. Press Sel/Enter on the front of the amplifier.
- 2. Press Next/Down until the word PRESET appears on the display.
- **3.** Press Sel/Enter on the front of the amplifier.
- 4. Press Next/Down or Prev/Up until the name of the desired preset appears on the display.
- 5. Press Sel/Enter on the front of the amplifier.
- 6. The chosen preset name will appear on the display.

DSP Notes

- We do not recommend mixing LS4, LS6, or LS8 satellites on the same amplifier channel as custom speaker settings cannot be properly enabled.
- If you are using a subwoofer in your installation, it MUST be connected to Output #1.
- For any changes beyond the presets, the front panel controls, or System Architect Software must be used. Refer to the included Crown manual for details.

Selecting a Preset

Use this chart to select the preset that is appropriate for the system. The channel 2 column shows the speaker and appropriate preset to use based on the speakers connected to channel 1.

NOTE: We do not recommend mixing LS4, LS6 and/or LS8 on the same channel.

				DEFAULT DEVICE FILE	
Preset #	Preset Name	Input Mode	Output (Voltage)	Speaker Hookup Configuration/ Comments	Additional Notes/Comments
1 DSP OFF		Stereo	Channel 1=8/4Ω	No DSP	
			Channel 2=8/4Ω	No DSP	
2 LS4SATS	LS4SATS	Stereo*	Channel 1=70V	LS-SAT-4 satellites in 70V tap settings connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=70V	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable
3 LS	LS6SATS	66SATS Stereo*	Channel 1=70V	LS-SAT-6 satellites in 70V tap settings connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=70V	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable
4	LS8SATS	Stereo*	Channel 1=70V	LS-SAT-8 satellites in 70V tap settings connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=70V	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable

DEFAULT DEVICE FILE						
Preset #	Preset Name	Input Mode	Output (Voltage)	Speaker Hookup Configuration/ Comments	Additional Notes/Comments	
5 ST4_HS10	ST4_HS10	Stereo**	Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-4 satellites in 70V tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level	
			Channel 2=70V	**Must use supplied input summing cable	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
				DSP settings for "flat response" tonal balance		
6	ST6_HS10	Stereo**	Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-6 satellites in 70V tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level	
			Channel 2=70V	**Must use supplied input summing cable	satellite speakers (Channel 2).	
				DSP settings for "flat response" tonal balance		
7	ST8_HS10	Stereo**	Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-8 satellites in 70V tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level	
			Channel 2=70V	**Must use supplied input summing cable	(Channel 1) relative to the level of the satellite speakers (Channel 2)	
				DSP settings for "flat response" tonal balance		
8 S4HS10	S4HS10_8	Stereo**	Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-4 satellites in 8Ω tap setting connected to channel 2	Maximum of 4 satellites may be wired in parallel per channel	
			Channel 2=8/4Ω	**Must use supplied input summing cable	**Front level potentiometers can be used	
				DSP settings for "flat response" tonal balance	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
9 S6HS10_8		Stereo**	* Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-6 satellites in 8Ω tap setting connected to channel 2	Maximum of 4 satellites may be wired in parallel per channel	
			Channel 2=8/4Ω	**Must use supplied input summing cable	**Front level potentiometers can be used	
				DSP settings for "flat response" tonal balance	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
10 S8HS10_8	10_8 Stereo**	Stereo**	reo** Channel 1=8/4Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-8 satellites in 8Ω tap setting connected to channel 2	Maximum of 4 satellites may be wired in parallel per channel	
			Channel 2=8/4Ω	**Must use supplied input summing cable	**Front level potentiometers can be used	
				DSP settings for "flat response" tonal balance	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
11	ST4_SB12	Stereo**	Channel 1=8/4Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-4 satellites in 70V tap settings connected to channel 2	**Eront level notentiomotors can be used	
					to raise or lower the subwoofer level (Channel 1) relative to the level of the satellite speakers (Channel 2).	
			Channel 2=70V	**Must use supplied input summing cable		
				DSP settings for "flat response" tonal balance		

DEFAULT DEVICE FILE						
Preset #	Preset Name	Input Mode	Output (Voltage)	Speaker Hookup Configuration/ Comments	Additional Notes/Comments	
12	ST6_SB12	Stereo**	Channel 1=8/4Ω	LS-BSUB-12 subwoofer (e.g. $8\Omega)$ connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-6 satellites in 70V tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level	
			Channel 2=70V	**Must use supplied input summing cable	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
				DSP settings for "flat response" tonal balance		
13	ST8_SB12	Stereo**	Channel 1=8/4Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-8 satellites in 70V tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level	
			Channel 2=70V	**Must use supplied input summing cable	(Channel 1) relative to the level of the satellite speakers (Channel 2).	
				DSP settings for "flat response" tonal balance		
14	S4SB12_8	Stereo**	Channel 1=8/4Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-4 satellites in 8Ω tap setting connected to channel 2	Maximum of 4 satellites may be wired in parallel per channel	
			Channel 2=8/4	**Must use supplied input summing cable	**Front level potentiometers can be used	
				DSP settings for "flat response" tonal balance	to raise or lower the subwoofer level (Channel 1) relative to the level of the satellite speakers (Channel 2).	
15	S6SB12_8	Stereo**	Channel 1=8/4Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-6 satellites in 8Ω tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level (Channel 1) relative to the level of the satellite speakers (Channel 2).	
			Channel 2=8/4Ω	**Must use supplied input summing cable		
				DSP settings for "flat response" tonal balance		
16 S8SB12_8	S8SB12_8	12_8 Stereo	Channel 1=8/4Ω Channel 2=8/4Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.	
				LS-SAT-8 satellites in 8Ω tap settings connected to channel 2	**Front level potentiometers can be used to raise or lower the subwoofer level (Channel 1) relative to the level of the satellite speakers (Channel 2).	
				**Must use supplied input summing cable		
				DSP settings for "flat response" tonal balance		
17 LS4SAT_8	8 Stereo*	T_8 Stereo*	Stereo*	Channel 1=8/4Ω	LS-SAT-4 satellites in 8Ω tap setting connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=8/4Ω	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable	
					Maximum of 4 satellites may be wired in parallel per channel	
18	LS6SAT_8	Stereo*	Channel 1=8/4Ω	LS-SAT-6 satellites in 8Ω tap setting connected on both channels	Allows individual channel level control via front panel volume potentiometers	
			Channel 2=8/4Ω	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable	
					Maximum of 4 satellites may be wired in parallel per channel	
19	LS8SAT_8	Stereo*	Channel 1=8/4 Ω	LS-SAT-8 satellites in 8Ω tap setting connected on both channels	Allows individual channel level control via front panel volume potentiometers	
			Channel 2=8/4Ω	DSP settings for "flat response" tonal balance	* Can be used with or without the use of supplied input summing cable	
					Maximum of 4 satellites may be wired in parallel per channel	

page | 7

	OPTIONAL DEVICE FILE						
Preset #	Preset Name	Input Mode	Output Voltage	Speaker Hookup Configuration/ Comments	Additional Notes/Comments		
1	DSP OFF	Stereo	Channel 1=8/4Ω	No DSP			
			Channel 2=8/4Ω	No DSP			
2 LS MIX4_6	LS MIX4_6	Stereo**	Channel 1=70V	LS-SAT-4 satellites in 70V tap settings connected to channel 1	Allows individual channel level control via front panel volume		
				LS-SAT-6 satellites in 70V tap settings connected to channel 2	potentiometers		
			Channel 2=70V	**Must use supplied input summing cable			
				DSP settings for "flat response" tonal balance			
3 LS M	LS MIX4_8	_8	Channel 1=70V	LS-SAT-4 satellites in 70V tap settings connected to channel 1	Allows individual channel level control via front panel volume potentiometers		
				LS-SAT-8 satellites in 70V tap settings connected to channel 2			
			Channel 2=70V	**Must use supplied input summing cable			
				DSP settings for "flat response" tonal balance			
4	LS MIX6_8		Channel 1=70V	LS-SAT-6 satellites in 70V tap settings connected to channel 1	Allows individual channel level control via front panel volume		
				LS-SAT-8 satellites in 70V tap settings connected to channel 2	potentiometers		
			Channel 2=70V	**Must use supplied input summing cable			
				DSP settings for "flat response" tonal balance			

NOTE: Contact Tech Support for the Optional Device file.

CONTACTING TECHNICAL SUPPORT

866.838.5052 support@episodeaudio.com



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