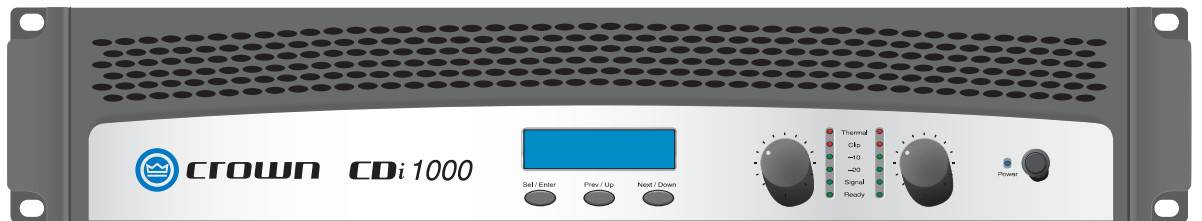


episode<sup>®</sup>

**Quick Start Guide**

**1000watt Crown Amplifier**

**CR-CDI1000-LSCAPE**



## 1. Welcome to Episode

Thank you for purchasing a great product from Episode®, one of the best sounding loudspeaker lines available today. We appreciate your purchase and are committed to providing the highest quality products possible.

## 2. Overview

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

## 3. Package Contents

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

## 4. 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. 8ohm satellites and subwoofers do not require calculation.

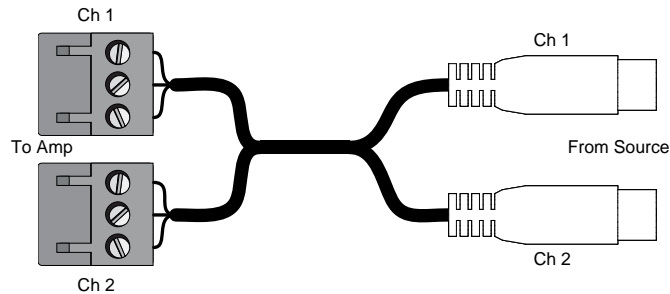
Speaker Tap Setting (A)	Ch1 Qty (B)	Ch2 Qty (C)	Ch1 Total (A x B)	Ch2 Total (A x C)
3.75w				
7.5w				
15w				
30w				
		Sub Total		
		20% Head Room	100w	100w
		Total Watts (Must be less than 500w per Channel)		

**Recommendation:** As with any 70v installation, we recommend leaving 20% of headroom, using only 80% of an amplifier's rated power. For a 500w amplifier, this is 400w per channel. 400w is 13 speakers @30w, or 106 speakers @3.75w per channel, or any combination in between.

## 5. Source Input Wiring

### 5.1. 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.



### 5.2. 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.

## 6. Speaker Wiring

### 6.1. 8 ohm Wiring

- Burial-rated wire is recommended for all installations.
- For Maximum Performance:
  - For wire runs up to 100 feet, 16ga or larger wire is recommended.
  - For wire runs up to 200 feet, 14ga wire or larger is recommended.
  - For wire runs up to 300 feet, 12ga wire or larger is recommended.

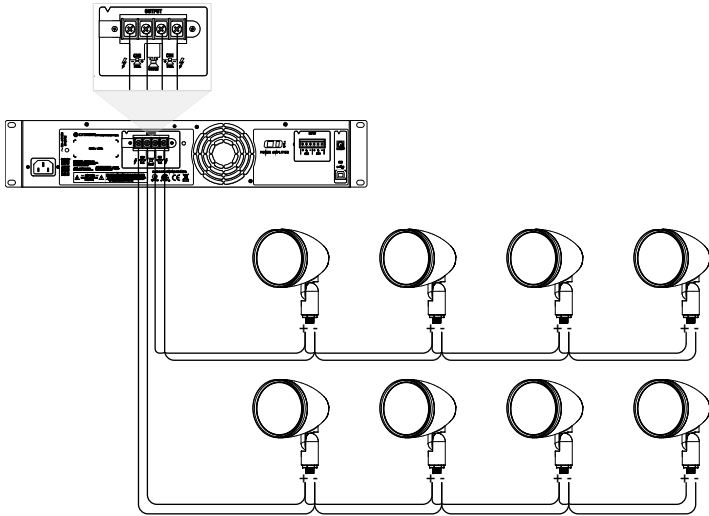
**Note:** *Smaller wire gauges may be used, but overall performance will be reduced depending on the wire gauge used. The chart below shows the wire length and the amount of signal loss that you can expect on a typical run.*

Wire Gauge	8Ω Speaker			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	291ft.	622 ft.	1352 ft.	143 ft.	311 ft.	680 ft.
14	189 ft.	403 ft.	876 ft.	92 ft.	199 ft.	437 ft.
16	117 ft.	255 ft.	553 ft.	61 ft.	128 ft.	278 ft.
18	87 ft.	194 ft.	405 ft.	41 ft.	92 ft.	201 ft.

### 6.2. 70v Wiring

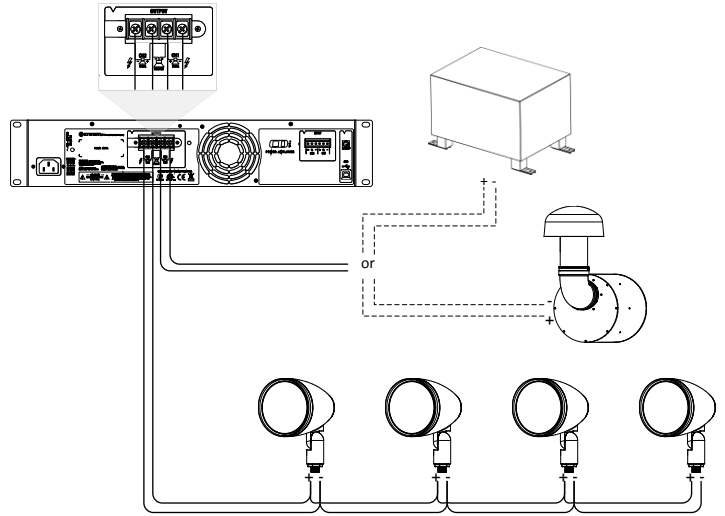
One of the advantages of 70v systems is that a smaller wire gauge can be used. A 20ga cable can be used for up to 1,147 feet with only an 11% power loss. An 18ga cable can be used for up to 2,029 feet and a 16ga up to 2,783 feet. Burial-rated wire is recommended for any outdoor installation.

#### Satellite Wiring Diagram



- LS4 and LS6 speakers can be connected to either channel.

#### Satellite & Sub Wiring Diagram



- The ES-LS-BSUB-12 or ES-LS-HSUB-10 must be connected to Channel 1 of the Crown amp.
- Either LS4's or LS6's may be connected to Channel 2.

## 7. DSP Presets

The CR-CDI1000-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.

### 7.1. 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 and LS6 on the same channel.**

CHANNEL 1	CHANNEL 2			
Speaker(s)	LS-SAT-4 (70V)	LS-SAT-6 (70V)	LS-SAT-4 (8Ω)	LS-SAT-6 (8Ω)
LS-SAT-4 (70V)	(2) LS4SATS	(4) LS MIXa		
LS-SAT-6 (70V)	(5) LS MIXb	(3) LS6SATS		
LS-SAT-4 (8Ω)			(14) LS4SAT_8	
LS-SAT-6 (8Ω)				
LS-BSUB-12 (8Ω)	(10) ST4_SB12	(11) ST6_SB12	(12) S4SB12_8	(13) S6SB12_8
LS-HSUB-10 (8Ω)	(6) ST4_HS10	(7) ST6_HS10	(8) S4HS10_8	(9) S6HS10_8

A listing of presets details can be found in section [7.4 DSP Presets 1-10](#) on page 6 and [7.5 DSP Presets 11-155](#) on page 7.

### 7.2. 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.

### 7.3. DSP Notes

- We do not recommend mixing LS4 and LS6 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.

## 7.4. DSP Presets 1-10

PRESET #	PRESET NAME	INPUT MODE	OUTPUT (VOLTAGE)	SPEAKER HOOKUP CONFIGURATION / COMMENTS	ADDITIONAL NOTES / COMMENTS
2	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	LS6SATS	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	LS MIXa	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 potentiometers
			Channel 2=70V	LS-SAT-6 satellites in 70V tap settings connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	
5	LS MIXb	Stereo**	Channel 1=70V	LS-SAT-6 satellites in 70V tap settings connected to channel 1	Allows individual channel level control via front panel volume potentiometers
			Channel 2=70V	LS-SAT-4 satellites in 70V tap settings connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	
6	ST4_HS10	Stereo**	Channel 1=8/4 Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=70V	LS-SAT-4 satellites in 70V tap settings connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	**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).
7	ST6_HS10	Stereo**	Channel 1=8/4 Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=70V	LS-SAT-6 satellites in 70V tap settings connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	**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).
8	S4HS10_8	Stereo**	Channel 1=8/4 Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=8/4 Ω	LS-SAT-4 satellites in 8Ω tap setting connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	Maximum of 4 satellites may be wired in parallel per channel **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).
9	S6HS10_8	Stereo**	Channel 1=8/4 Ω	LS-HS SUB10 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=8/4 Ω	LS-SAT-6 satellites in 8Ω tap setting connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	Maximum of 4 satellites may be wired in parallel per channel **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).
10	ST4_SB12	Stereo**	Channel 1=8/4 Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=70V	LS-SAT-4 satellites in 70V tap settings connected to channel 2 **Must use supplied input summing cable DSP settings for "flat response" tonal balance	**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).

## 7.5. DSP Presets 11-15

PRESET #	PRESET NAME	INPUT MODE	OUTPUT (VOLTAGE)	SPEAKER HOOKUP CONFIGURATION / COMMENTS	ADDITIONAL NOTES / COMMENTS
11	ST6_SB12	Stereo**	Channel 1=8/4 Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=70V	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 1) relative to the level of the satellite speakers (Channel 2).
12	S4SB12_8	Stereo**	Channel 1=8/4 Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=8/4 Ω	LS-SAT-4 satellites in 8Ω tap setting connected to channel 2	Maximum of 4 satellites may be wired in parallel per channel
13	S6SB12_8	Stereo**	Channel 1=8/4 Ω	LS-BSUB-12 subwoofer (e.g. 8Ω) connected to channel 1	If desired, 2 subwoofers can be used in parallel connection.
			Channel 2=8/4 Ω	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 1) relative to the level of the satellite speakers (Channel 2).
14	LS4SAT_8	Stereo*	Channel 1=8/4 Ω	LS-SAT-4 satellites in 8Ω tap setting connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=8/4 Ω	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
15	LS6SAT_8	Stereo*	Channel 1=8/4 Ω	LS-SAT-6 satellites in 8Ω tap setting connected on both channels	Allows individual channel level control via front panel volume potentiometers
			Channel 2=8/4 Ω	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

## 8. Contacting Technical Support

Phone: (866) 838-5052

Email: [Techsupport@snapav.com](mailto:Techsupport@snapav.com)