

# Sound System Handbook

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## Basic Operation

### Powering ON

1. Switch on the power strip.
2. Turn on 2 dbx DriveRack PA.



3. Turn on 2 amplifiers, CE4000.



4. Power on on-stage feedback monitors.

### Powering OFF

1. Power off all on-stage feedback monitors.
2. Turn off 2 amplifiers, CE4000.



3. Turn off 2 dbx DriveRack PA.

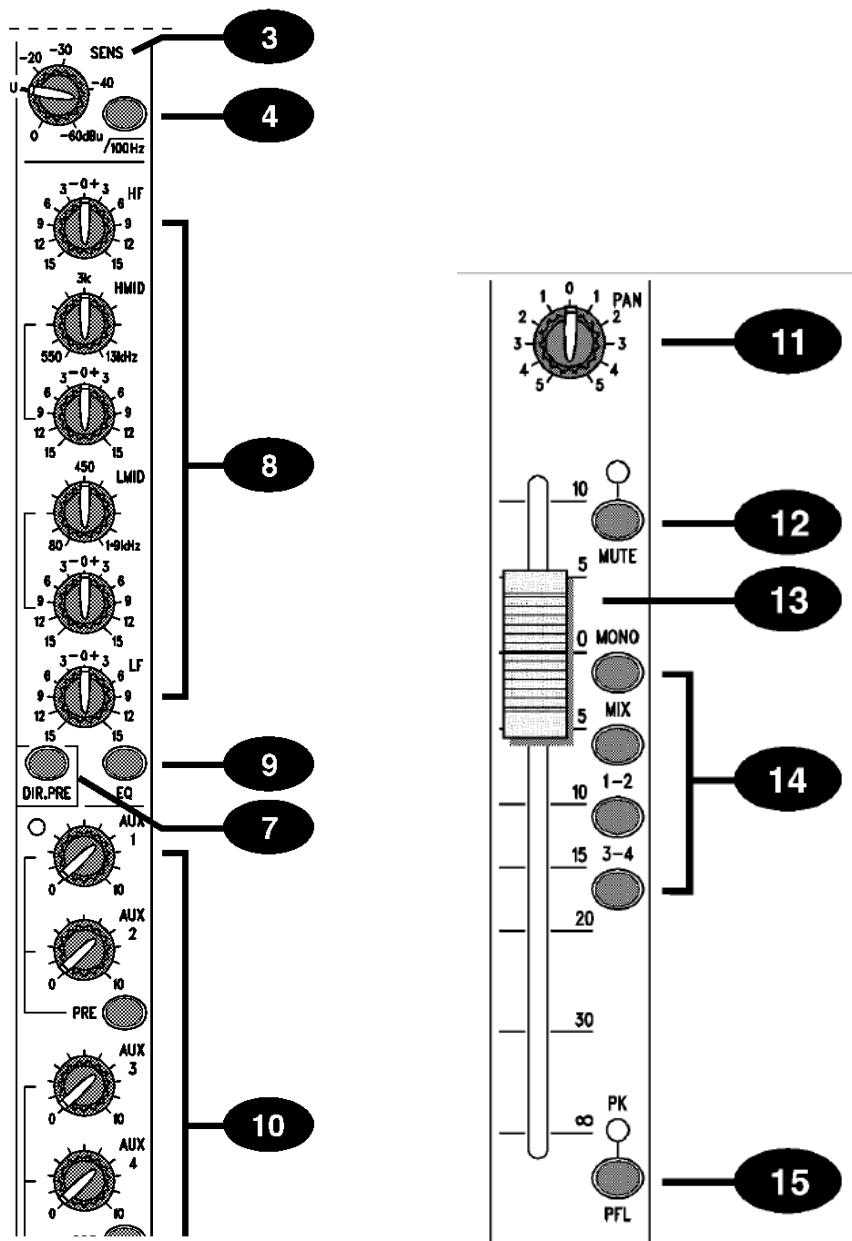


4. Switch off the power strip.

## Channel Assignment

	Channel	Assign To	Group
Instrument Channels	1, 2	1 <sup>st</sup> Keyboard	1-2
	3	2 <sup>nd</sup> Keyboard	1-2
	4	Drum	1-2
	5	Guitar	1-2
	6	Bass	1-2
	7		
	8		
Microphone Channels	9	Mic 1	3-4
	10	Mic 2	3-4
	11	Mic 3	3-4
	12	Mic 4	3-4
	13	Mic 5	3-4
	14	Wireless 1	3-4
	15	Head Mic	3-4
	16	Wireless 2	3-4
Effect Channels	17	Instrument Effect	1-2
	18	Vocal Effect	3-4
External Channels	19,20	PC	Mix
	21,22	VCR	Mix
	23,24	DVD	Mix

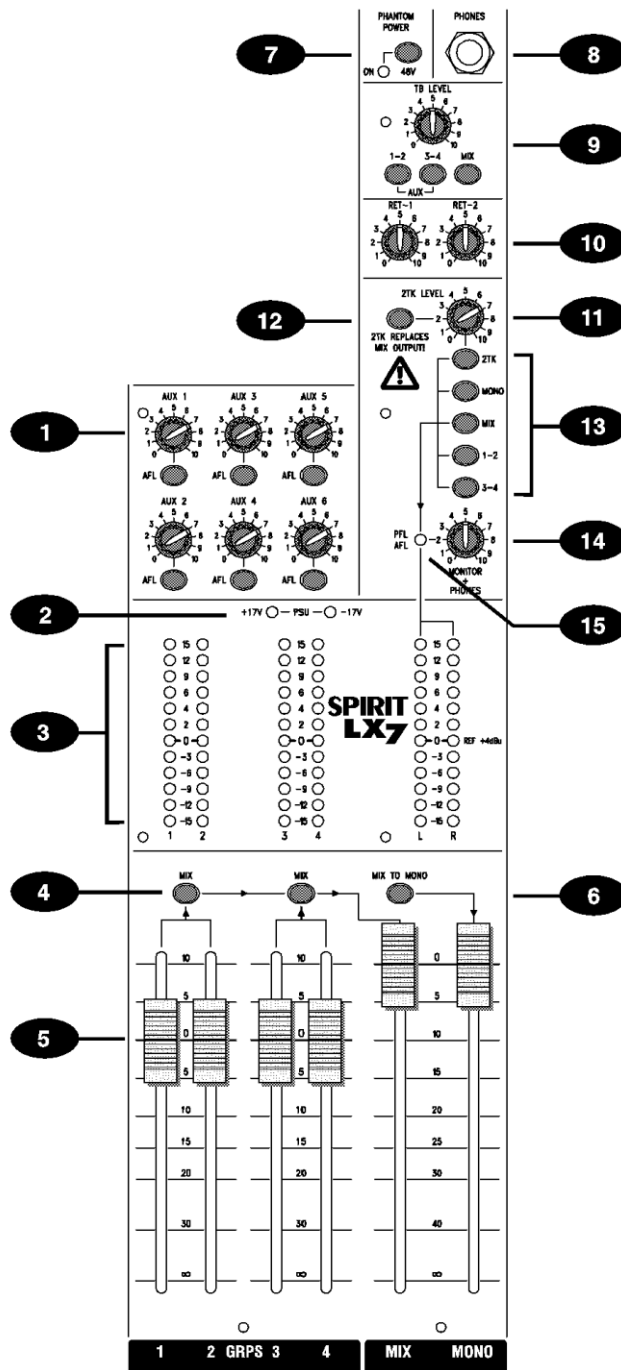
## Mono Input Channels



- (C3) SENS (Sensitivity)
- (C4) 100Hz Hi-Pass Filter
- (C7) DIR. PRE
- (C8) Equalizer
- (C9) EQ Switch
- (C10) AUX Send

- (C11) PAN (Balance)
- (C12) MUTE
- (C13) FADER
- (C14) ROUTING
- (C15) PFL/PEAK

# Master Section



- (M1) AUX MASTERS
- (M2) POWER INDICATORS
- (M3) BARGRAPH METERS
- (M4) MIX
- (M5) MASTER FADERS

- (M6) MIX TO MONO
- (M7) 48V (Phantom Power)
- (M13) MONITOR SOURCE SELECT
- (M14) MONITOR + PHONES
- (M15) PFL/AFL

## ***Basic Channel Control***

- Instrument Channels (Channels 1-8, 17)
  - a. C12 (Mute) is up, yellow light off.
  - b. C13 (Fader) slides to 0.
  - c. C14 1-2 (Routing) is down, rests of the Routing are up.
  - d. M4 1-2 (Mix) is down.
  - e. M5 1-2 (Fader) slides to 0.
  - f. M5 MIX (Fader) slides to 0.
  
- Microphone Channels (Channels 9-16, 18)
  - a. C12 (Mute) is up, yellow light off.
  - b. C13 (Fader) slides to 0.
  - c. C14 3-4 (Routing) is down, rests of the Routing are up.
  - d. M4 3-4 (Mix) is down.
  - e. M5 3-4 (Fader) slides to 0.
  - f. M5 MIX (Fader) slides to 0.

Note: condense microphones requires phantom power (M7) to be on.
  
- Other Audio Sources (Channels 19-24)
  - a. C12 (Mute) is up, yellow light off.
  - b. C13 (Fader) slides to 0.
  - c. C14 MIX (Routing) is down, rests of the Routing are up.
  - d. M5 MIX (Fader) slides to 0.

## ***Basic Channel Trouble Shooting***

When there is no sound, check the following:

1. Follow the “Turning Up a Channel” section.
2. Press (C15). (M3) right 2 row LEDs should show signal level. Use headphone to hear the sound.
3. Release (C15).

For instrument channels:

4. (M3) left 2 row LEDs should show signal level.
5. Press (M13 1-2) to hear Group 1-2 sound. Release (M13 1-2).
6. Press (M13 Mix) to hear Main Mix sound. Release (M13 Mix).

For microphone channels:

4. (M3) middle 2 row LEDs should show signal level.
5. Press (M13 3-4) to hear Group 3-4 sound. Release (M13 3-4).
6. Press (M13 Mix) to hear Main Mix sound. Release (M13 Mix).

For external channels:

4. Press (M13 Mix) to hear Main Mix sound. Release (M13 Mix).

## **Recording**

### ***Record Using MP3 Recorder***

1. Procedure

### ***Record Using DVD Recorder***

2. Procedure

### ***Record Using Cassette Tape Recorder***

3. Procedure

## **Play Back**

### ***Play Back Using MP3 Player***

4. Procedure

### ***Play Back Using DVD Recorder***

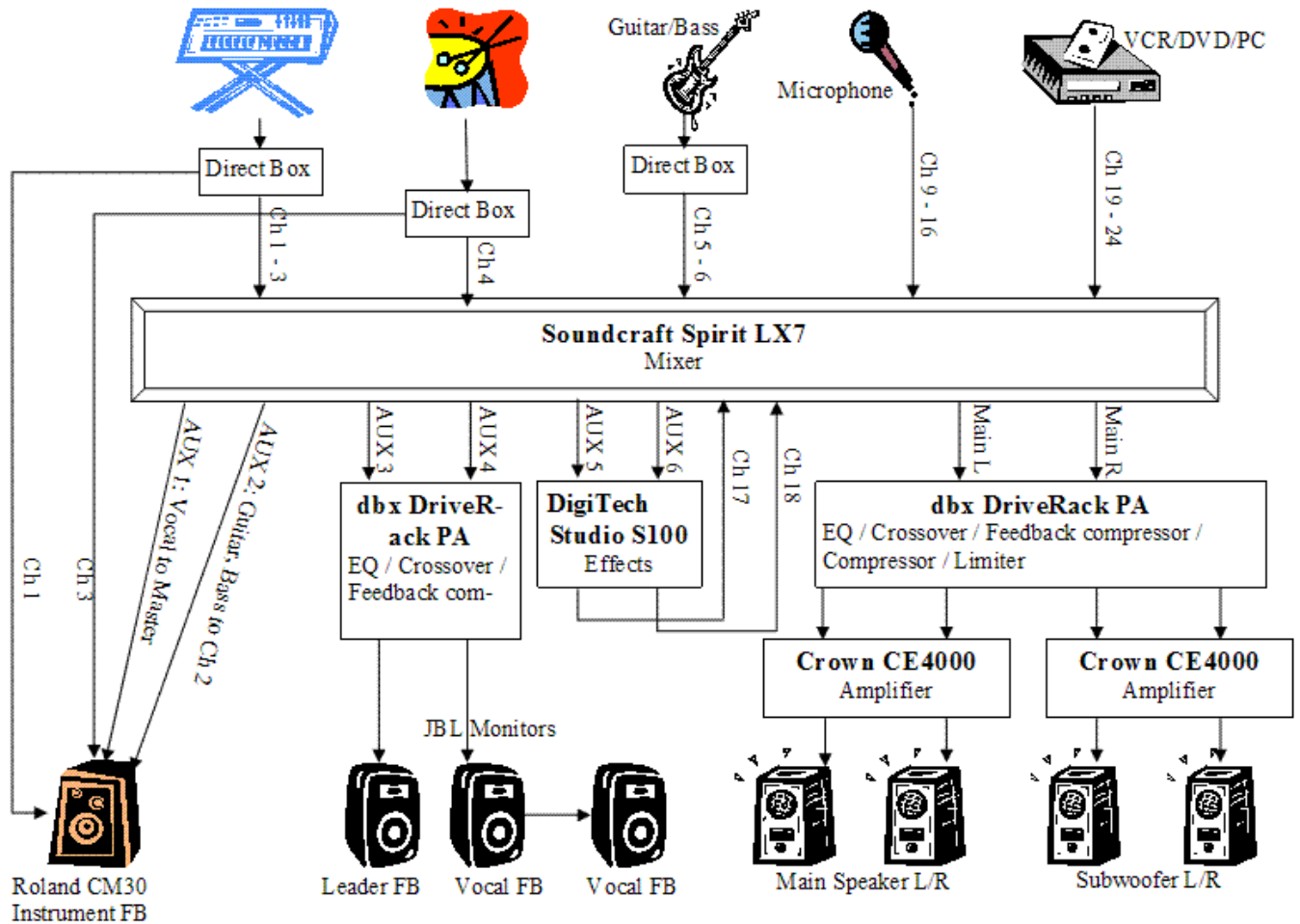
5. Procedure

### ***Record Using Cassette Tape Recorder***

6. Procedure

# Wiring Diagram

## Sound System Wiring Diagram

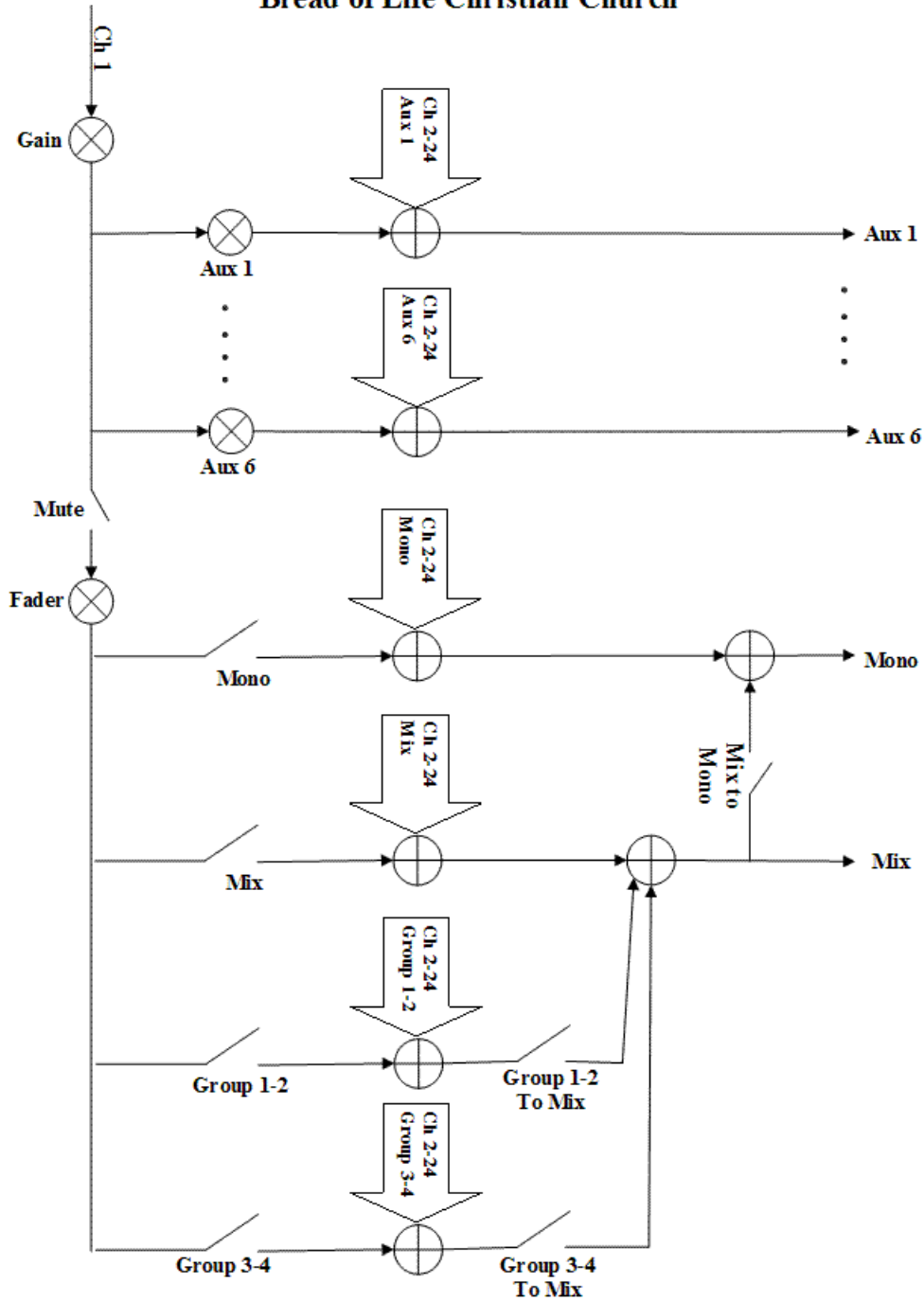


Bread of Life Christian Church 4/1/2008

Mixer Diagram

# Soundcraft Spirit LX7 Diagram

Bread of Life Christian Church



Oct 23, 2005

## **Setting**

### ***Default Setting***

### ***Feedback Monitor Setting***

General guidelines:

1. On stage sound as clean as possible.
2. If you can hear without monitor, don't use the monitor.
3. Proper usage of microphone, direction and placement.

What do you need to hear?

1. Leader: Leader, 1<sup>st</sup> KB, drum.
2. Vocalists: Leader, 1<sup>st</sup> KB, drum, vocalist as a group.
3. 1<sup>st</sup> KB: Leader, 1<sup>st</sup> KB, drum, guitar, bass.
4. Drum: Leader, 1<sup>st</sup> KB, drum, bass.
5. Bass: Leader, 1<sup>st</sup> KB, drum, bass.
6. Guitar: Leader, 1<sup>st</sup> KB, drum, guitar.

### ***Sound Check Procedure***

### ***Channel Balancing***

## **Trouble Shooting**