



Ref. No. 170.408



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**19" DUAL CD PLAYER, MIXER AND CASE**

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**USER MANUAL**

## **CAUTION**

### **RISK OF ELECTRIC SHOCK DO NOT OPEN**

To prevent electric shock, do not remove top or bottom covers. No user serviceable parts inside. Refer servicing to qualified servicing personnel. Disconnect power cord before removing back panel cover to access gain switch.

## **WARNING**

To reduce the risk of electric shock, do not expose this equipment to rain or moisture!

### **WATCH FOR THESE SYMBOLS**



The exclamation point triangle is used to alert the user to important operating or maintenance instructions.

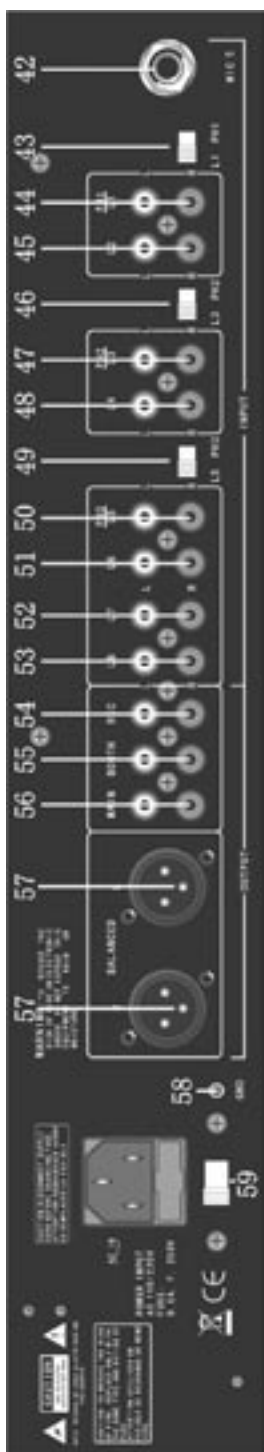


The lightning bolt triangle is used to alert the user to the risk of electric shock.

TEC1242

# 4-CHANNEL DJ MIXER

- 4 stereo channels
- State of the art Cue section
- 3 Phono, 8 Line, and 5 Mic inputs with talkover
- Assignable Echo with Gain, Delay and Repeat control
- Assignable and removable crossfader
- Record output
- Master output with dual 7 bands graphic equalizer control
- Master output LED meter



## Connections

1. Before plugging in the power cord, make sure that the VOLTAGE SELECTOR (59) switch is set to the correct voltage.

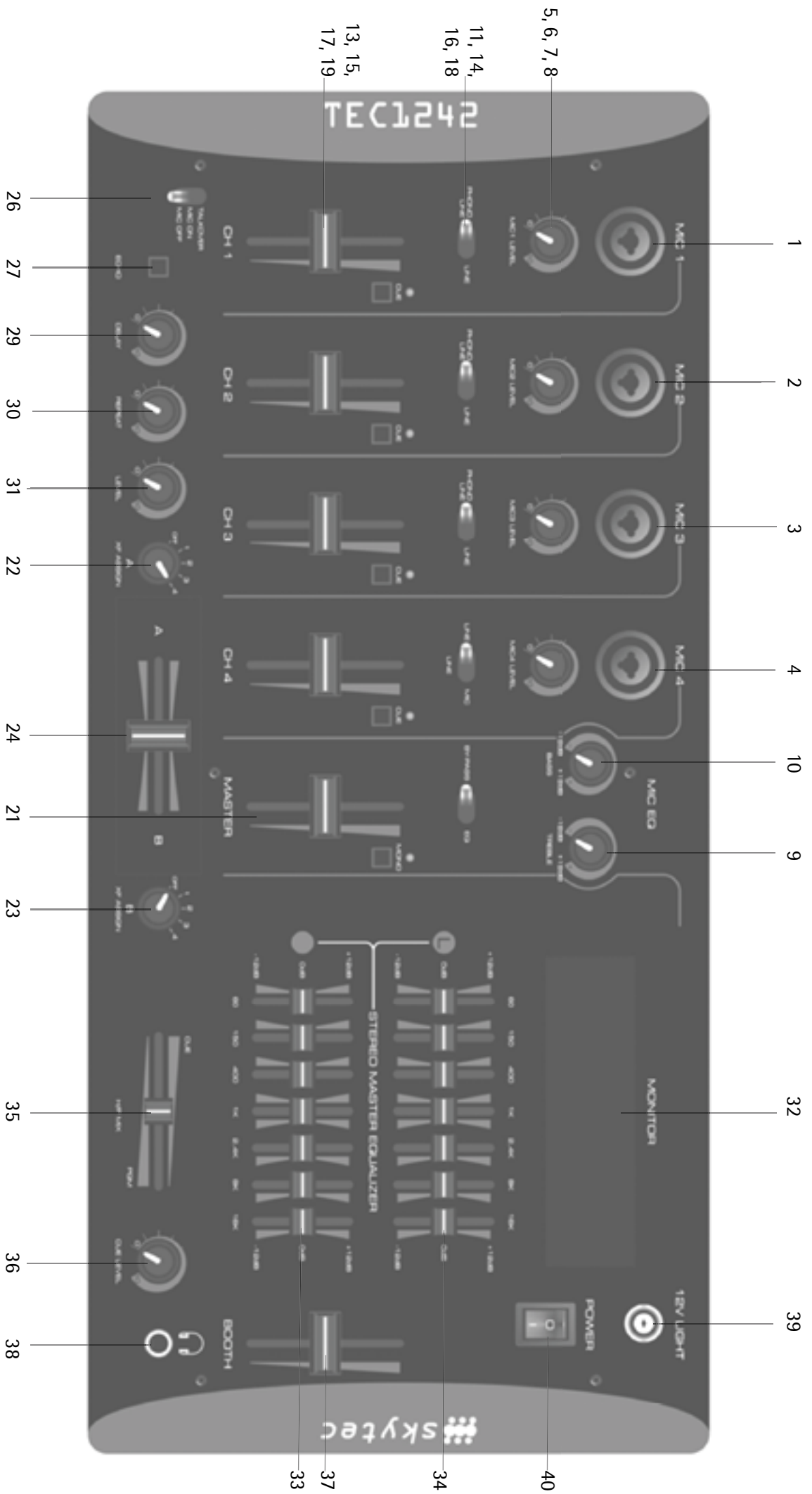
NOTE: This product is double insulated and not intended to be grounded.

2. Make sure that the POWER (40) switch is in the off position. The POWER LED will be off.
3. This unit is supplied with 4 sets of amp output jacks. The MAIN OUTPUTS are balanced (57) and unbalanced (56) to be used to connect your main amplifier. The REC OUTPUT (54) jacks can be used to connect the mixer to the record input of your recorder enabling you to record your mix. The BOOTH OUTPUT (55) jacks allow you to hook up an additional amplifier.
4. The MIC 1-4 (1, 2, 3, 4) input (found on the front panel) accepts XLR Connector. MIC 5 (42) input (found on the rear panel) accepts 6.35mm connector.
5. On the rear panel there are 3 stereo PHONO/LINE (44, 47, 50) inputs and 5 stereo LINE (45, 48, 51, 52, 53) inputs. The PHONO/LINE SWITCH (43) enables you to set the (44) input TO PHONO line. The PHONO/LINE SWITCH (46) enables you to set the (47) input to phono or line. The PHONO/LINE SWITCH (49) enables you to set the (50) input to phono or line. The phono inputs will accept only turntables with a magnetic cartridge.

A GROUND SCREW (58) for you to ground your turntables located on the rear panel.

The stereo line inputs will accept any line level input such as a CD player, a cassette player, etc.

6. Headphones can be plugged into the front panel mounted HEADPHONE (38) jack.
7. This unit comes with a front panel BNC LIGHT (39) JACK.



# Operation

## 1. POWER ON

Once you have all the equipment connections to your mixer, press the POWER SWITCH (40). The power will turn on and the POWER LED will glow RED.

## 2. CHANNEL 1

Switch (11) allows you to select the PHONO1/LINE1 (44) or the LINE2 (45) input. The CHANNEL SLIDE (13) controls the input level of this channel.

## 3. CHANNEL 2

Switch (14) allows you to select the PHONO2/LINE3. (47) or the LINE4 (48) input. The CHANNEL SLIDE (15) controls the input level of this channel.

## 4. CHANNEL 3

Switch (16) allows you to select the PHONO3/LINE5. (50) or the LINE6 (51) input. The CHANNEL SLIDE (17) controls the input level of this channel.

## 5. CHANNEL 4

Switch (18) allows you to select the LINE7, LINE 8 and MIC5. (52, 53, 42) input. The CHANNEL SLIDE (19) controls the input level of this channel.

## 6. CROSSFADER SECTION

The CROSSFADER (24) allows the mixing of one source into another. This unit features an assignable crossfader. The ASSIGN (22, 23) switches allow you to select which channel will play through each side of the crossfader. The ASSIGN (22) switch has 5 settings (OFF, 1, 2, 3 or 4) and allows you to select channel 1, 2, 3 or 4 to play through the left side of the crossfader. The ASSIGN (23) switch has 5 settings (OFF, 1, 2, 3 or 4) and allows you to select channel 1, 2, 3 or 4 to play through the right side of the crossfader. With the ASSIGN switch in the off position, that side of the crossfader will be inactive.

## 7. EFFECT CONTROL SECTION

The ECHO (27) button allows you to turn ON/OFF the effect to master. The LEVEL (31) to allows you to adjust the effect level. The REPEAT (30) and the DELAY (29) allow you to adjust the effect.

## 8. The GRAPHIC EQUALIZER (33, 34)

Allows you to adjust the frequency response to achieve the desired sound required.

## 9. OUTPUT CONTROL SECTION: The level of the MAIN OUTPUT (56, 57) is controlled by the MASTER (21) slide. The BOOTH (37) control adjusts the level of the BOOTH OUTPUT (55).

HINT: The BOOTH OUTPUT (55) is used by some DJs to run monitor speakers in their DJ Booth. You can also use it as a second ZONE or AMP output.

NOTE: The REC OUTPUT (52) has no level control. The Level is set by the channel slides or the selected channel. The tonal qualities can be controlled by the equalizers.

## 10. TALKOVER SECTION

The purpose of the talkover section is to allow the program playing to be muted so that the mic can be heard above the music. The MIC/TALKOVER SWITCH (26) controls MIC 1-4 and has three settings. When the MIC/TALKOVER SWITCH (26) is in the bottom position, MIC 1-4 talkover are off. When the MIC/TACKOVER SWITCH (26) is in the center position MIC 1-4 are on, but talkover is off. When the MIC/TALKOVER SWITCH (26) is in the top position, MIC 1-4 talkover will be on and the volume of all sources except the Mic inputs are lowered by 16 dB. The TREBLE (9) and BASS (10) controls allow you to fully adjust the tone of MIC 1-4. The LEVEL (5-8) controls the level of MIC 1-4.

## 11. CUE SECTION

By connecting a set of headphones to the HEADPHONE (38) Jack, you can monitor any or all of the channels. Press the CUE (12) buttons for channels 1-4 to select the channel or channels to be monitored and their respective LED indicators will glow. Use the CUE LEVEL (36) control to adjust the cue volume without effecting the over all mixer. By moving the CUE/PGM (35) control to the left you will be able to monitor the assigned cue signal. Moving the control to the right will monitor the PGM (program) output.

## 12. DISPLAY

The DISPLAY (32) indicates either the MASTER output left and right levels.

## Specifications:

### INPUTS:

DJ Mic ..... 1.5Mv 2Kohm balanced  
Phono..... .3mV 47kΩ  
Line..... 150MV 27kΩ  
Aux..... 150MV 27kΩ

### OUTPUTS:

Main/Aux..... 0dB 1V 400Ω  
Max ..... .20dBV peak to peak  
Rec ..... 225mV 5kΩ

### MIC1-5:

DJ Mic ..... 1.5mV 2kΩ balanced  
Bass ..... +12dB  
High ..... +12dB

### GENERAL:

Frequency response ..... 20Hz-20KHz+/-2dB  
Distortion..... 0.02%  
S/N Ratio ..... better than 80dB  
Talkover attention ..... -16dB  
Headphone impedance ..... 16Ω  
Power source..... 115V/230V 60Hz/50Hz 15W

TEC2420

# PROFESSIONAL CD PLAYER WITH ANTI-SHOCK MEMORY

- 3 different speed scan
- Frame search
- Auto CUE
- 20 tracks program play
- Pitch display



## WARNING!

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



## CD player function

### 1. POWER BUTTON

Press the POWER switch to turn the unit on. Press the POWER switch again to turn the unit off.

### 2. EJECT BUTTON

Press this button to load or eject disk. Each press will open or close the disk tray.

NOTE: Disk cannot be ejected unless STOP or PAUSE button has been pressed first.

### 3. JOG & SHUTTLE WHEELS

Shuttle: Use the dial to select the scanning direction and speed. The disk is scanned in the forward direction when the shuttle dial is turned clockwise from the neutral position, in the reverse direction when the shuttle dial is turned counter-clockwise. The scanning speeds up when the shuttle dial is turned faster.

Jog: In pause mode, if you turn the Jog, the point at which the sound is being produced moves by a number of frames corresponding to the number of clicks. Dialing clockwise moves the point forward, dialing counter-clockwise moves the point backward.

In play mode, the Jog increases or decreases the speed of the song. (clockwise: increase, counter-clockwise: decrease)

### 4. SKIP << BUTTON

Use this switch to re-start the track or to select the previous track.

### 5. +10 BUTTON

Use this button to jump 10 tracks in one press.

### 6. SKIP >>| BUTTON

Used this knob to select the next track.

#### 7. CUE BUTTON

Pressing the CUE button during play provides a return to the position at which play was started.

#### 8. PLAY / PAUSE BUTTON

Each time you press the PLAY/PAUSE button, the operation changes from play to pause or from pause to play.

#### 9 REPEAT BUTTON Use this button to repeat one track or all the track of the CD.

#### 10. PROG BUTTON

In STOP mode, you can program several tracks (20 tracks max)

- Press the STOP button to enter the stop mode
- Press the PROG button to enter the program mode
- Use the skip track buttons to choose the track you want to listen then press the PROG button to enter you choice.
- Use again the skip track buttons to choose the track you want to listen then press the PROG button to enter you choice.
- Repeat the operation to select all the track you want to listen
- Press the play / pause button to start the playback.

#### 11. DIGITAL OUT BUTTON

When you push this button, there are digital outputs (CINCH and optical digital outputs)

#### 12. A BUTTON (LOOP SYSTEM)

This button sets the beginning of the loop. The LOOP indicator is on the display flashes.

#### 13. B BUTTON (LOOP BUTTON)

When you press this button, you set the end point of the seamless loop and you start the loop. To finish the loop, press this button again.

#### 14. RELOOP BUTTON (LOOP SYSTEM)

This button is used to start the last saved loop. To finish the loop, press the RELOOP button again.

#### 15. TIME BUTTON

Used this knob to choose the time mode: elapsed time, remaining time or total remaining time.

#### 16. CONTINUE/SINGLE BUTTON

Press this button to switch between the SINGLE and CONTINUOUS play mode. The selected mode is indicated on the LCD. In SINGLE mode, after each track, the unit will stop the reading. In CONT model, the unit will read all track and then stop.

#### 17. PITCH BEND- BUTTON

The pitch will drop while the PITCH BEND- button is pressed and return to the original pitch when it is released.

#### 18. PITCH BEND + BUTTON

The pitch will rise when the PITCH BEND + button is pressed and return to the original pitch when it is released.

#### 19. STOP BUTTON

Press this button to stop the playback.

#### 20. PITCH BUTTON

When this button is pressed, the adjustment of the pitch potentiometer is available. (see item 22)

#### 21. DISPLAY

#### 22. PITCH CONTROL

Use this fader to increase or decrease the speed of the track.



## Connection

#### 23. DIGITAL OUTPUT (OPTICAL) PLAYER 1

Optical jack. This socket is digital output for CD player 1. Connect to the line input of a D/A Amplifier.

#### 24. DIGITAL OUTPUT (RCA) PLAYER 1

This socket is digital output for CD player 1. Connect to the line input of the D/A Amplifier.

#### 25. LINE OUT PLAYER 1

This socket is the audio output for CD player 1. Connect to the line input of the mixer.

#### 26. GROUND LIFT

The switch controls the ground connection of this unit.

27. POWER SUPPLY SWITCH  
Use this selector to choose the correct corresponding voltage of power supply.
28. AC POWER  
Use power cable to connect this unit to the A/C main power.
29. DIGITAL OUTPUT (OPTICAL) PLAYER 2  
Optical jack. This socket is digital output for CD players. Connect to the line input of the D/A Amplifier.
30. DIGITAL OUTPUT (RCA) PLAYER 2  
This socket is digital output for CD players. Connect to the line input of the D/A Amplifier.
31. LINE OUT PLAYER 2  
This socket is the audio output for CD player 2. Connect to the line input of the mixer.
32. DIN SOCKET  
Connect all the sockets using the mini-DIN cable provided with the CD player. Connect the player 1 with the part 1 of the controller and the player 2 with the part 2 of the controller.

## Specifications

Anti-Shock Buffer Memory . . . . .	30 seconds
Audio response . . . . .	<2dB (20Hz-20kHz)
D/V converter . . . . .	24 bits
Frequency response: . . . . .	20Hz-20kHz
Harmonic distortion: . . . . .	<0.1%
Signal / noise ration: . . . . .	85dB
Dynamic: . . . . .	80dB
Cross talk: . . . . .	60dB
Output level . . . . .	1.5V
Load impedance . . . . .	more than 47k $\Omega$
Speed edge (PITH). . . . .	+/- 16%
Power supply. . . . .	115/ 230 Vac