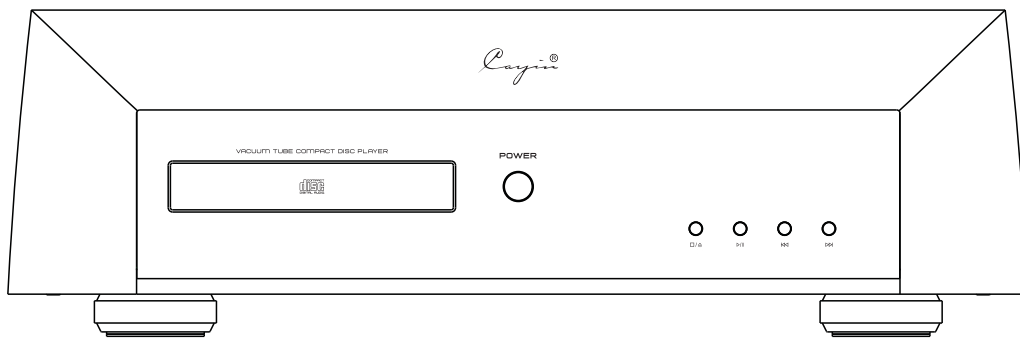# Cayin ®

VACUUM TUBE COMPACT DISC PLAYER

POWER

m-50CD | VACUUM TUBE COMPACT DISC PLAYER

User's Manual

*T*hank you for purchasing the Cayin M-50CD compact disc player.

Used properly and carefully, it should give you many years of outstanding musical reproduction. Please read this operation manual carefully before using it.

Table of Contents

Specifications

- Output level   2.3V ±0.5dB(RCA)
                  4V ±0.5dB(XLR)
- Frequency response   20Hz~20kHz ±0.5dB
- Distortion and noise   <-70dB
- S/N ratio   92dB
- Dynamic range   120dB
- Channel separation   -100dB
- Digital output characteristics   According to the IEC958 standard
- Power requirements   Refer to the indication on the rear panel
- Weight   16kg
- Dimension   460×415×147mm(W×D×H)
- Power consumption   40W

Package Contents

Please check the carton carefully whether there is any damage before you open it. Put it on a flat surface with the arrow upward. Rip away the tape and open the carton, then you'll find:

① One set of Cayin M-50CD compact disc player
② SP-13F remote control unit
③ One warranty card
④ Two fuses
⑤ One power cord
⑥ One user's manual

Note 1: Please fill out your warranty card in time, and hand it in to your dealer or send it to the sales department of our company to ensure the after-sales service.
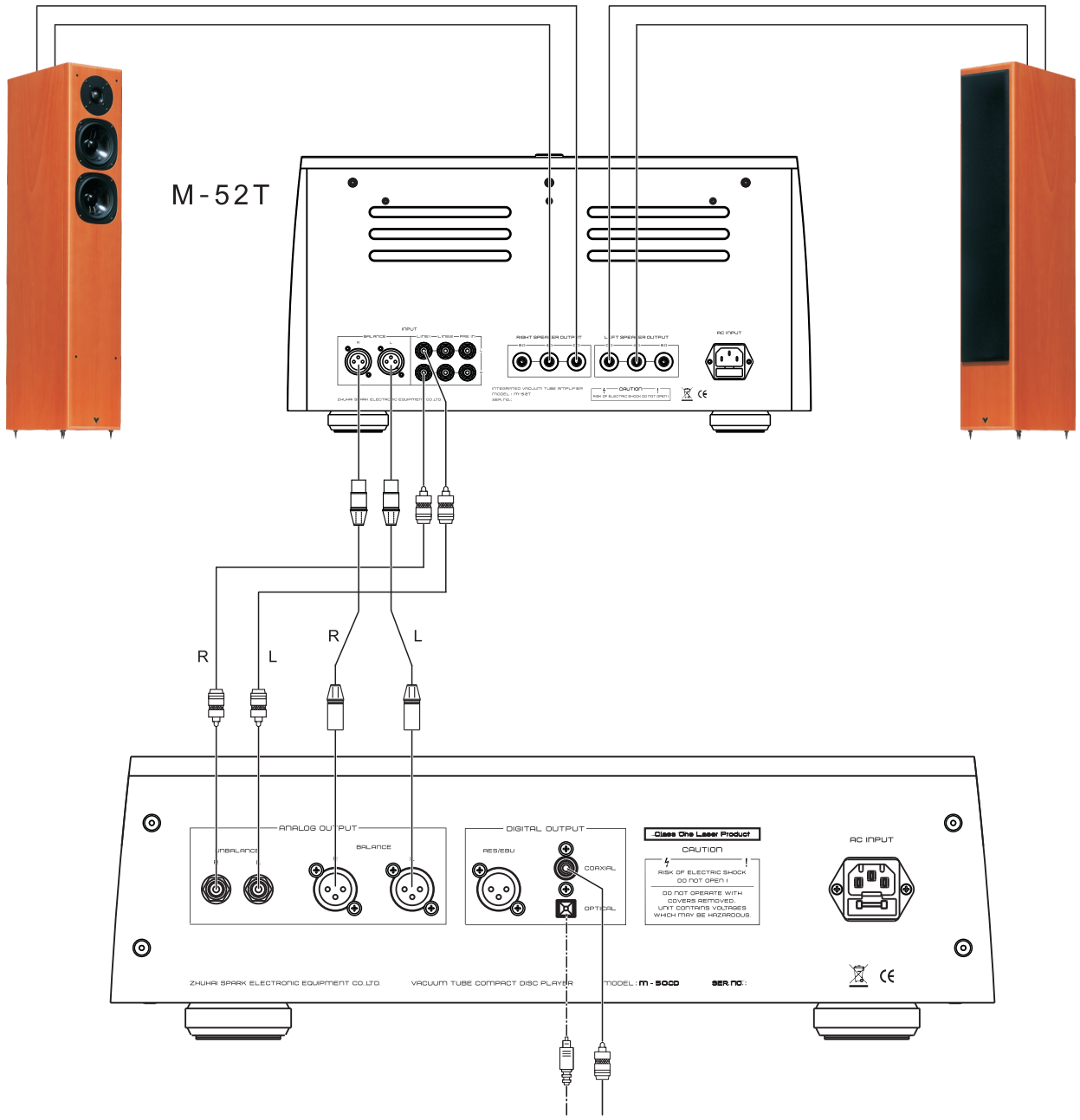
Note 2: Be sure to use at rated voltage. Please check whether the rated voltage marking on the real panel corresponds to your line voltage. If not, please contact your dealer.

Suggestion: Please keep the carton and the other wrappings well for future use.

Note: You need wait for about 30 seconds after turning on the power every time because the vacuum tubes need preheat.

To the digital input terminal of
a D/A converter or digital amplifier

Connection Diagram

Please make sure the following preparations are well done before using:

■ AC Power

1. Before connecting, make sure the power mark on the real panel is the same to the power voltage of your area.

2. Be sure the Power Switch on the front panel of the CD Player is tuned off (in the "out" position).

3. Using the Power Cord (supplied), connect the Power Inlet on the CD Player's real panel to the AC Power Outlet.

4. Press the Power Switch in. The Display will light up, indicating that the CD Player is turned on.

5. To turn the CD Player off, press the Power Switch again and return it to the "out" position.

● Unplug your CD player if it will be not used in a long time.

● If you are using a switched outlet to turn on and off your CD Player, you should leave the Power Switch in the "on" position. When AC Power is applied to the unit, it will power up in fully active mode.

■ Connections

1. Analog Outputs(unbalance).

A pair of standard RCA jacks supplies an analog output signal from the CD Player to the source inputs of an audio amplifier or other components. Using the audio cable, connect the left channel output of the CD Player to the left channel source input on the amplifier, and then, connect the right channel output of the CD Player to the right channel source input on the amplifier.

2. Analog Outputs(balance).

A pair of XLR jacks supplies an analog balance output signal from the CD Player to the source inputs of an audio amplifier or other component. Using the balance cable, connect the left channel balance output of the CD Player to the left channel balance source input on the amplifier, and then, connect the right channel balance output of the CD Player to the right channel balance source input on the amplifier.

3.Digital Output

3-1. AES/EBU Output

Using a 110 ohm balance cable connect the AES/EBU output jack of the CD Player to the AES/EBU input jack of the D/A decoder.

Connection Diagram

3-2.The CD Player's coaxial digital output jack supplies an unprocessed digital signal. Using a standard 75 ohm coaxial digital cable, connect the CD Player's coaxial output to the coaxial digital input connector on the outboard D/A decoder.

3-3.Connect the analog output jacks of the D/A decoder to the source input jacks of an amplifier.

4. Connect the supplied power cord to the CD Player's power inlet and the AC power outlet.

Before turning on the unit, be sure you have connected the unit to the other components correctly.

● You can use both the two kinds of output connections or each one.

● To prevent loud noises, make sure the CD player is turned off when you make any signal connection.

Warranty Service

▲This product is warranted for a period of twelve months beginning from the date of purchase.

▲To obtain warranty service, the warranty card bearing your dealer's chop or signature must be filled in and returned to your dealer or our company in two weeks from the date of purchase.

▲The defective product must be returned to your dealer or our company for repairing when your dealer or our company accepts your requirement in warranty period.

▲The warranty doesn't extend to any product that has been opened by you without permission of our company.

Notice

The information in this manual is subject to change without notice.

Precautions

Cautions for Safety

Follow these cautions to avoid malfunction or serious damage to the unit.

■ Disconnect the Power Cord from the AC outlet by pulling the plug, not the cord.

■ Keep the Power Cord away from heating appliances.

■ Keep the unit away from sources of liquid.

■ Do not remove the outer cover.

■ Do not use the unit if there is lightning. Unplug the Power Cord from the AC outlet as soon as possible

Installation and Handling

■ Place the unit on an even and stable place where is well ventilated.

■ Do not place the unit in the following places:

● In a room exposed to sunlight for a long period.

● Near a strong light source or a heater.

● Where there is steam or soot.

● Where there is dust or humidity or a strongly magnetized object.

■ Do not place anything heavy on the unit.

■ When the unit is moved:

● Be careful to prevent unite from dropping or strong shocks.

● Make sure that the unit is disconnected from all connection cord.

● For a distant transport, wrap it in the original package to prevent it from scratch.

■ Keep the unit away from volatile substances. Do not keep the unit touching rubber or vinyl material for a long period of time.

● These materials may cause the unit discoloration and surface damage.

Formation of Condensation inside the Unit

■ Condensation may form in the unit if:

● The unit is in a room where the heater has just been turned on.

● The unit is in a room with steam or high humidity.

● The unit is brought from cold surroundings into a well-heated room.

When condensation has formed inside the unit, place the unit in a dry surrounding for several hours before using.

Maintenance

■ Wipe the body and front panel of the unit with a soft, clean cloth.

●If you use a chemically treated cloth for cleaning, refer to its notes on use.

●For persistent stains, use a soft cloth moistened with mild detergent and water, and then wipe with a dry cloth.

Notes for Disc

■ Never use cracked or warped discs.

●Since the disc rotates at a high speed, use of cracked or warped ones will damage the unit.

●If a strange noise or vibration be heard or occur after starting playback, immediately press the Open/Close (or Stop/Open) Button to stop the disc rotation.

■ Maintenance

●To clean a disc soiled with fingerprints or dust, use a soft and dry cloth.

●If the surface is extremely dirty, dip a soft cloth into water and wring the cloth well before wiping the disc. Then wipe again with a soft and dry cloth.

●When wiping discs, always move the cloth from the center hole toward the outer edge.

●Do not use benzene, thinner, or a record cleaner.

■ Notes for Remote Control Unit

●Before using the Remote Control Unit, it's necessary to install two "AAA" (R03) batteries.

●Do not use rechargeable batteries.

●Do not mix new and old batteries, or different brands of batteries.

●Remove batteries when this unit is not in use for a long period of time.

●Use the Remote Sensor on the front panel within about 6 m and within about $30°$.

●Do not place any obstacles between the Remote Control Unit and the Remote Sensor.

●Do not expose the Remote Sensor to strong light.

Turning on/off the unit

Press the Power Switch (POWER) on the front panel, the unit will firstly execute closing disc tray, the display will show "−− −−−−" , and the unit will do selfcheck.

Playback

1. Press the □/⏏ Button on the front panel or the ⏏ Button on the Remote Control Unit, the Disc Tray slides out.
2. Place the compact disc in the Disc Tray label-side up.
3. Press the □/⏏ Button on the front panel or the ⏏ Button on the Remote Control Unit, the Disc Tray is closed.
4. After the Display indicates the number of tracks on the disc and the total time of the disc, press the ▷/‖ Button on the front panel or the ▷‖ Button on the Remote Control Unit to start playing the disc.
   ● If the Disc Tray is open when you press the ▷/‖ Button (or ▷‖ Button), it will close automatically and start playing.
   ● Normally, the disc will start playing with the first track. However, you can select a different track using the Skip Buttons or the Number Buttons to start playing a different selection.

Pause

● During playback, press the ▷/‖ Button on the front panel or the ▷‖ Button on the Remote Control Unit to interrupt the playback temporarily.
● Press the ▷/‖ (or ▷‖) Button again to resume playback from the position where PAUSE mode was entered.
● Even when the player is in PAUSE mode, the disk motor is still revolving. Since leaving the player in this condition can shorten the lifetime of the motor, do not leave the player in PAUSE mode for a long period of time.

Stop

● During playback or in PAUSE mode, press the □/⏏ Button on the front panel or the Stop Button on the Remote Control Unit to stop a disc that is playing and resets the player.

Track Search

　　During playback or in STOP mode, you can select a track to play using the Skip (◄◄ and ►►�) Buttons or the Number Buttons (Remote only).

■ 　Using the Skip Buttons

　　●Press the ►►◄ Button to advance the beginning of the next track. If the current track is the last track, press this button advances to the beginning of the first track.

　　●Press the ◄◄ Button to return the beginning of the previous track. If the current track is the first track, press this button returns to the beginning of the last track.

　　●In PROGRAM mode, the skip Buttons advance or reverse to the next track in the memorized selection list.

　　●In PAUSE mode, the skip Buttons advance or reverse to the next track is still in PAUSE mode.

■ 　Using the Number Buttons (Remote only)

Press the Number Buttons on the Remote Control Unit to directly access a track to play.

　　●The first nine tracks on a disc can be selected by pressing the corresponding button.

　　●When accessing track numbers equal to or bigger than 10, press the two buttons of the track numbers in 2 seconds.

　　For example, to select track 2, press the 2 Button. To select track 12, press the 1 Button and the 2 Button in 2 seconds. After you press the 1 Button, the CD Player will wait for the second number for 2 seconds. If the second number is not entered in 2 seconds, the first track will be played.

Fast Search (Remote only)

Hold the scan Buttons depressed, playback advances or reverses at high speed.

● Hold ►► button depressed for fast-forward operation.

● Hold ◄◄ button depressed for fast-reverse operation.

● Release the Scan Buttons to start playback at normal speed.

Repeat (Remote only)

This function allows you to repeat the current track, the memorized program or the entire disc continuously.

1. During playback, press the Repeat Button once to repeat the current track, the display will show "Repeat One Mode".

2. Press the Repeat Button again to repeat the entire disc, the display will show "Repeat All Mode".

3. Press the Repeat Button a third time to cancel the Repeat function.

Operation

Section Repeat (Remote only)

This function allows you to repeat a specified section. You can select the start point and the end point of a section in the current track and repeat it continuously.

1. During playback, press the A-B Button at the start point of the section to be repeated.
2. Press the A-B Button at the end point of the section to be repeated. Playback returns to the beginning of the section and the section is repeated continuously.
3. Press the A-B Button a third time to resume the normal playback.

Recall (Remote only)

Press RECALL button after stopping, the CD Player will play from the track stopped last time.

Random (Remote only)

Press RANDOM button once, the CD Player will play from random track, the display will show "SHUFFLE".

Press RANDOM button again, the CD Player will return to normal.

Program (Remote only)

This function allows you to memorize some tracks on the current disc for playback in a specific order.

1. Insert a disc, the CD Player will read the contents of the disc, or stop playback of the current disc.
2. Press the PROG button followed by the track numbers in a specific order, the display will show "00 P- 00". Two number before "P-" expresses current track selected. Two number after "P-" expresses track total number.
3. After entering all of the track numbers, press the PROG button, your selections will be memorized automatically. It can be memorized 30 tracks in the CD Player.
4. Press the ▷/‖ button on the front panel or the ▷‖ Button on the Remote Control Unit, the memorized program will play.
5. During programming, press the 0 button can cancel all the memorized program.

Space (Remote only)

Press SPACE button makes all spacing between the tracks the same(4 seconds).

Scan (Remote only)

Press SCAN button, the display "SCAN" will flicker, the CD Player will play ten seconds of every track from No.1 track.

Time (Remote only)

Changes the modes of time displayed. The first mode is the amount of elapsed time played in the current track.The second mode is how much time is left on the current track. The third mode counts the time remaining on the entire CD. Simply press the TIME button to switch between modes.

Mute (Remote only)

During playback, press the MUTE button once, the CD Player is in mute and has no output sound signal, the display " ▷ " will flicker.
Press MUTE button again, the CD Player will return to normal.
Disc playing is normal when mute.

Brightness Adjusting (Remote only)

This function allows you to adjust brightness of display window.
Press DISPLAY button every once, the brightness of display window will circularly change from "bright " to "brighter" and "dim".
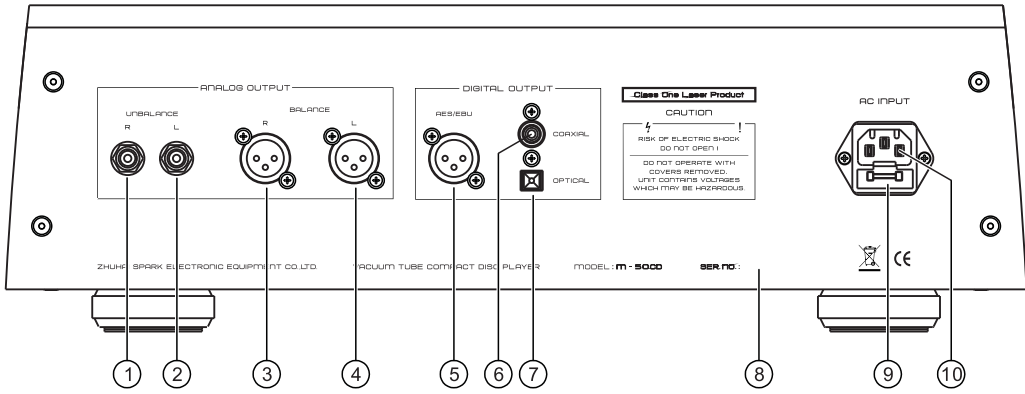
Front Panel

VACUUM TUBE COMPACT DISC PLAYER
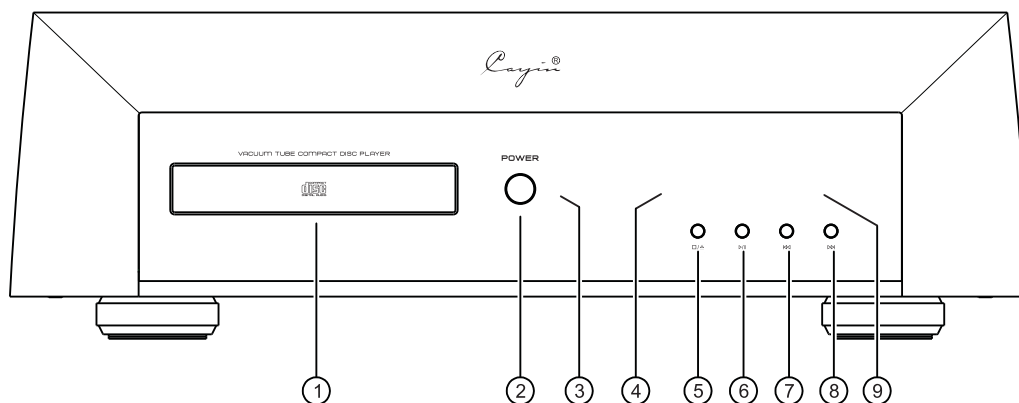
POWER

① Disc tray

② Power switch

③ Power indicator

④ Remote sensor window

⑤ □/△ Open/Close button

⑥ ▷/‖ Play/Pause button

⑦ ⊯ Skip(reverse) button

⑧ ⊳⊳⊳ Skip(forward) button

⑨ Display

①   R analog output

②   L analog output

③   R balance analog output

④   L balance analog output

⑤   Digital AES/EBU output

⑥   Digital output (Coaxial)

⑦   Digital output (Optical)

⑧   Serial No.

⑨   Fuse socket

⑩   Power socket

Remote Control

① " ⏏ " : Open/Close the disc tray

② "SCAN" : Track scan button

③ "STOP" : Stop play button

④ "0" , "1" , "2" , "3" ... "9" : Number button

⑤ " ▷ǁ " : Play/Pause button

⑥ " ◁◁ " : Search (reverse) button

⑦ " ▷▷ " : Search (forward) button

⑧ " ᴋ◁◁ " : Skip (reverse) button

⑨ " ▷▷ᴋ " : Skip (forward) button

⑩ "TIME" : Time mode display button

⑪ "MUTE" : Mute button

⑫ "SPACE" : Time space button

⑬ "RECALL" : Recall play button

⑭ "DISPLAY" : Display brightness adjusting button

⑮ "A-B" : Section repeat button

⑯ "REPEAT" : Repeat play button

⑰ "RANDOM" : Random play button

⑱ "PROG" : Program play button
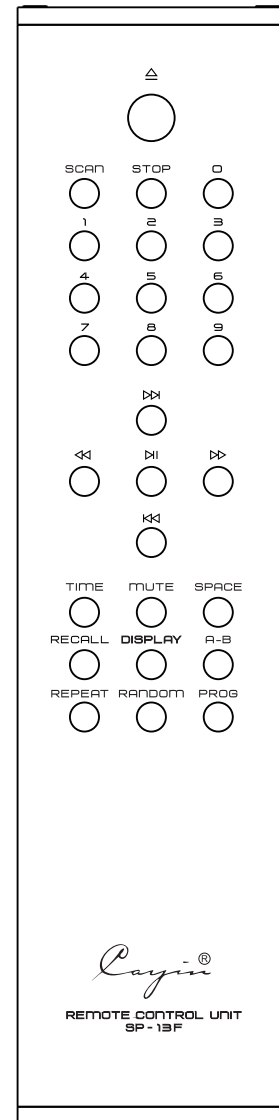
Troubleshooting

If you have checked everything and the unit is still not working please contact your dealer.

Problem	Cause	Remedy
Power indicator light does not come on when power switch is toggled on.	No power at the receptacle. Test by plugging in a light or appliance that you know works. The power cord is not plugged in. Fuse may be broken.	Check and reset or replace the appropriate breakers or fuses. Insure both ends of the power cord are securely plugged in. Replace the fuse with one of the spare fuses.
Cannot play.	The disc is scratched seriously or dirty. The disc is placed reversedly or there is dew condensed on the laser head. The disc cannot be identified.	Change a good disc or clean the disc. Place the disc label-side up. Place the player in a dry surrounding for several hours. Play discs that can be identified by the player.
No sound.	The signal cables are not connected well. The mute function is start up.	Connect the signal cables well. Cancel the mute function.
The function of the remote control unit is not sensitive.	Something disturbs in the surroundings. For example, strong fluorescent lamp. The batteries have not enough power. There are obstacles between the remote control unit and the player.	Leave the disturbing source. Change the batteries. Remove the obstacles