

## CD Transport CD Laufwerk



mbl 1621 A

ENGLISH ▶

DEUTSCH ▶

OWNER`S MANUAL  
BEDIENUNGSANLEITUNG



## Caution!

The mbl 1621 A CD transport is a Class1 laser product. It uses a visible laser beam which could cause hazardous radiation. Do not stare directly into laser beam when CD lid is open. Always pull the plug before you open the cabinet.

## Important Information!

**Attention!** Keep the CD transport away from high humidity, vibration, excessive dust and direct sunlight. Excessive heat or cold will affect the CD transport's functionality. The allowable operating temperature is 10°C to 40°C (50°F up to 104°F). Avoid extreme variations in temperature. Do not operate the CD transport near other electric appliances (for instance neon lights and motors). The CD transport should not be opened without the assistance of a qualified technician!

## KETI, CE-Marking

This product conforms to the requirements of the EMC and low-voltage directive. Your MBL component complies with the household power and safety requirements in your area.



## Warranty

Please pay attention to the details given in the warranty card which accompanies the CD transport. The warranty card must be sent back for the warranty to take effect.





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mbi 1621 A CD transport  
A/C power cord  
High End Stabilizer  
mbi system remote control SFBG 1  
(batteries included)



System Remote Control SFBG 1

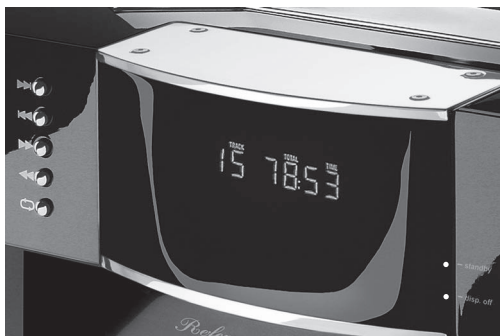


High End Stabilizer



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mbi 1621 A



Display



CD Lid

Standby LED  
Disp.off LED



Function keys left

skip forward



skip back



fast forward



fast backward



repeat



Function keys right

play



pause



stop



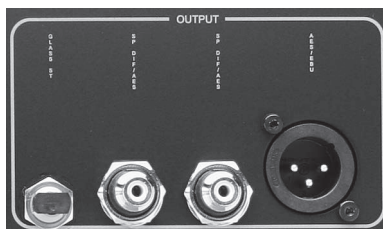
time



display off



outputs



Glass ST RCA RCA XLR  
(optional)



fuse holder

power switch

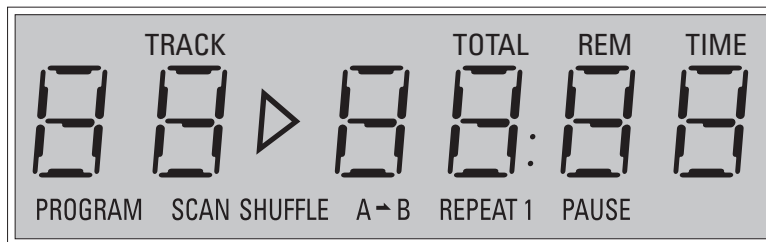
power connector





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Title



Time



## 1. Copyright Notice

Be advised that most discs contain copyright material; these discs are identified by the copyright marking ©, the date and the name of the copyright owner. Recording and playback of this material may require permission. For additional information, refer to the following:

- 1956 Copyright Act
- 1958 Dramatic and Musical Performers Act
- 1963 and 1972 Performers Protection Acts
- any subsequent statutory enactments and orders.

## 2. General Precautions

- The mbl 1621 A CD transport is a reference class component. The best materials and the latest production methods guarantee that you will enjoy superb music reproduction for many years to come. Therefore, you should take the following precautions when installing the transport:
- Do not expose the unit to excessive humidity. Do not use it near air conditioners or in bathrooms. Relative humidity during playback or storage should be between 10 and 90 %, provided there is no condensation buildup within the transport itself. Direct exposure to water should be avoided. Water does not only damage the transport, but may pose a serious health hazard as well.
- Very high (above 40° C) or low (below 10° C) temperature may cause the transport to malfunction or suffer damage. Do not expose the transport to direct sunlight or place it near a radiator (heater). The maximum temperature during playback is 40° C; do not use the component at temperatures below 10° C. The transport may be stored at temperatures between -10 and 40° C.
- Condensation: Moisture may form on the lens when the transport is moved from a cold to a warm environment. If moisture forms inside the transport, it may not operate properly. In this case, do not connect the unit to a power source - wait 3 hours or longer before operation.
- Do not install the transport in areas with exposure to frequent and severe variations in temperature or humidity. The resulting condensation buildup may cause damage to the transport.
- Place the transport on a vibration-free surface. Frequent shock may cause malfunctioning or direct damage to the transport.
- The device should not be placed in areas which are exposed to dust, and it should be kept at a distance of at least 2 meters from appliances that may cause interference, such as fluorescent lamps or engines.
- The surface for the device must be stable, level and even.





### 3. Operating the Transport

#### a Connecting the Transport to the Wall Outlet

Your transport is equipped with a high-quality toroidal power transformer. It operates at either AC 230 V, 50 Hz or 115 V, 50-60 Hz. We have pre-adjusted the transport to the voltage requirements of the country of purchase.

If you plan to use the component in a country with a different voltage, be sure to consult a qualified engineer to adjust the voltage. For safety reasons, the voltage selector has been placed inside the transport itself. It is also necessary to replace the fuse when selecting a new operating voltage: At 230 V, a 0.5-AT fuse is required, at 115 V, a 1.0 AT fuse is required.

Please note: If you connect the device to a wall outlet and the voltage setting is incorrect, the transport may be seriously damaged. Such damage is not covered by the warranty. A change of voltage by a qualified engineer is equally not covered by the warranty.

**Caution:** Disconnect the transport from the wall outlet before opening the cabinet to prevent a serious health risk including loss of life.

#### b Basic Connections

Your CD transport has been designed for connection to a Digital-Analog-Converter like our mbl 1611 F.

To connect it to a D/A Converter, the mbl 1621 A is equipped with the following connectors (located at the back of the transport):

- one XLR connector (AES/EBU)
- two RCA connectors (SP DIF/AES)

Optional the CD transport can be equipped with a Glass ST connector.

Connect your CD-transport (output) to a suitable D/A-Converter (input) via a suitable cable. Your mbl authorised dealer will help you choose the right cable for your purpose – do not hesitate to ask about the advantages and disadvantages of certain connector types.

**Please note** that only corresponding connectors on each side (input/output) may be connected.

Glass fiber cables must not be bent. The ST glass fiber connector is equipped with a bayonet mount. To connect, insert the plug into the connector and twist it clockwise.

## 4. Basic Functions

### a Turning on the Power and Inserting a CD

If you have properly connected the transport to the D/A-Converter and to the wall outlet, turn the power on with the power switch. The power switch on the mbl 1621 A is located on the left side of the rear panel.

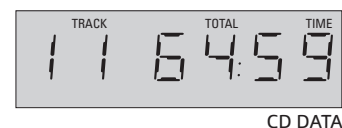
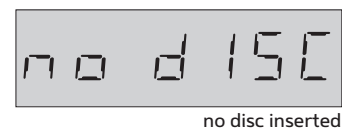
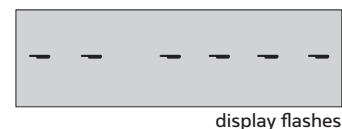
The display will now flash for a few seconds. If no CD is in the transport, the signal "no disc" will appear on the display.

To insert a CD open the lid of the transport. The display will now show the word "open".

Now insert the CD into the transport with its printed surface upwards. The shiny surface, on which the actual data is stored, must face downwards. Then put on the stabilizer and close the lid. **Note that you cannot play a CD without the stabilizer.**

The display will now flash for a few seconds, and then it will show the number of tracks and the total playing time of the CD.

The CD transport is now ready for playback.

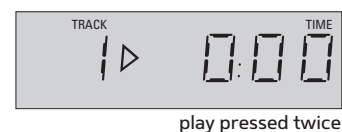
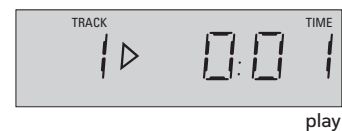


### b Playing a CD

Press the play button to start playback. After a few seconds, the display will show the number of the track that is playing, the triangular symbol for playback and the elapsed playing time of the track.

The transport counts minutes and seconds upwards, beginning with 0:00 of each track. If you have properly connected the mbl 1621 A CD transport to the other components of your home stereo system, you will now hear the music. If not, please refer to our troubleshooting section.

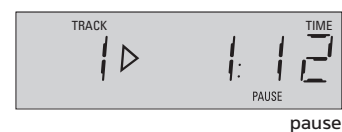
If you press the play button during playback, the current track will restart at the beginning (0:00).



### c Pause Playback

If you intend to interrupt your listening pleasure for a moment, but want to carry on from the same position, press the pause button: The time counter stops, and the display shows "pause".

To resume playback from the same position, press the pause button again. The transport returns to the playback mode.





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### d Skipping Tracks

To skip one or more CD tracks press the skip forward button once (1 x) for each track you want to skip until you have reached the desired track.



To skip to any previous track, press the skip back button. Press the button once (1 x) to return to the beginning of the track that is currently playing. To play a previous track, press the button again once (1 x) for each track to skip back. In both cases, the desired track will start to play at the beginning. While pressing the skip buttons, you will hear no music.



If you specify a track number that does not exist on the CD, or if you have reached the first track and press skip back again, "Error" will appear on the display. Note that this is not an error in the strict sense and in no case a malfunction of the transport.



### e Locating a Desired Passage

To find a specific passage of a track during playback, you may scan the track by using either the fast forward or the fast backward button. To find a passage located after the current position, press (and hold) the fast forward button. To find a passage located before the current position, press (and hold) the fast backward button.



The scanning is carried out at slow speed, if you hold the button for up to 5 seconds; after that, the scanning is carried out at high speed. You will hear music at both speeds.



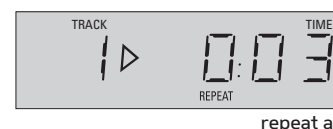
During scanning, the display will continue to show the track number and elapsed track time, which will count upwards or downwards corresponding to the scanning mode and speed.

### f Repeat Play (single track or CD)

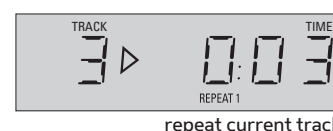
To continuously repeat the playback of all tracks of a CD, press the repeat button once (1 x) during playback. The display will show "Repeat".



To repeat the current track, press the repeat button twice (2 x) The display will now show "Repeat 1" to specify that only one track (the current one) will be repeated.



Press the repeat button three times (3 x) to cancel the repeat mode and return to normal playback. The repeat indicator on the display will disappear.



### g Stop Playback

To stop the playback, press the stop button. The display will again show the number of CD tracks and the total playing time.



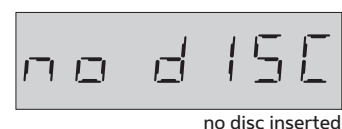
### h Removing a CD and Turning the Transport off

If you wish to remove a CD from your mbl 1621 A transport, simply open the lid. If you open the lid during playback, the transport stops automatically. "Open" appears on the display.



First remove the stabilizer and then the disc from the transport. If you wish to insert a new CD, please remember to apply the stabilizer again. Close the lid.

If you do not insert another CD and close the lid, "no disc" will appear on the display. Otherwise, the display will show the track number and total playing time of the new CD.



To turn off the transport, press the power button.

### i Switching the Display off

If you do not want to see the disc data during playback, you can switch off the display by pressing the displ. off („display off“) button. In this case a blue LED lights up on the display. Pressing the same button again re-activates the display.

### j The Lid, the Stabilizer ...and Shock

To prevent dust and dirt from entering the transport mechanism you should not leave the lid open for an extended period of time.

Please take care to re-insert the stabilizer into the transport after each playback to prevent stabilizer loss or damage.

Vibration and shock may affect the playback and cause damage to the transport and the CD.



## 5. Remote Control Basic Functions

You can also control your mbi 1621 A by using the remote control. You can use the following functions without leaving the comfort of your favorite armchair:

- CD playback
- CD stop
- skip forward
- skip back
- fast forward
- rewind
- repeat (single track)
- repeat (CD)
- standby

The function symbols on the remote control are identical to those on the front panel of your transport.

## 6. Remote Control Advanced Functions

**Note:** The following functions require a remote control with a numeric keypad.

### a Numeric Buttons

The 10 numeric buttons on the remote control enable you to choose individual titles on your CD directly. For track numbers 1–9, simply press the corresponding button and then press play for the playback to start.

For tracks with a number higher than 9, press the button for the first digit and then for the second. If the CD does not include the track number you have specified, "Error" will appear on the display.

**Example:** If you want to play track "14" on your CD, press the "1" first and then the "4". Press play to start the track.

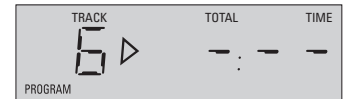
### b Programming

Apart from playing the complete CD or any number of its tracks in their chronological order, the program function allows you to program a playback order for you Audio CD in a desired sequence. This can be done by entering track numbers in the order desired.

**Note:** The transport must be in stop mode for programming.



Simply press the corresponding button on the remote control for the track you want to listen to, then press the "Prog" (short for "program") button. After you have entered the last track, press "Prog" again to confirm the program.



track 6 programmed

If you have accidentally entered the wrong track and want to delete it, enter the track number again, then press "Prog". The track has now been deleted from the program.



deleting a track

**Please note:** You can only enter the same title once, within one given program.

The order of programming is identical to the order of playback. Note that when you delete a track from the middle of the program and enter a new one, it will be played at the end of the program.

**Example:** If you want to play track 6, 3, 1, 8 and 12 in that order, use the numeric buttons on your remote control and enter "6". After that, press "Prog" immediately. The display will show the number of the track and the message "Program".

Now enter the next track by pressing the button for "3" on your remote control, and then "Prog". "3" and "Program" will appear on the display.

After that, press "1" and "Prog", then "8" and "Prog", and finally "1" and "2" and "Prog" for the remaining tracks in your program.

If you have accidentally pressed "5" while trying to enter "1" and "2" (for track 12), press "5" again and then "Prog" to delete the track from the program. You may now continue by entering "1", "2" and then "Prog" for track 12.

To complete programming, press "Prog" again. The display will now show the number of programmed tracks in the order of playback.

### **C** Program Play

To start the playback of a confirmed program, press the play button.



program play

During the play mode, the display will show only the number of the current track.

After pressing the "time" button on your remote control once (1 x), the display will show the total remaining time (note the "REM" for "remaining" on the display) of the program.



1x time

By pressing the "time" button again, you will see the elapsed time of the current track.



2x time

During the program playback, titles can be skipped by pressing the skip forward and skip back buttons, just as you do during normal playback.



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### d Program Stop and Deleting Program

If you want to interrupt the program playback, press the stop button once (1 x). You may now change the program by adding or deleting tracks. After that, you may re-start the program by pressing the play button.

To end the program playback, press the stop button ■ twice (2 x).

**Attention:** Pressing the stop button twice will delete the program.

### e Time Display Modes

In the stop mode, the display shows the number of tracks on the CD as well as the total playing time. During normal playback, the number of the current track and the elapsed time for this track will appear.

You can change the time display mode by pressing the "time" or "OSD" button on your remote control. After pressing the button once (1 x), the display will show the total elapsed time of your CD.

By pressing the "time" or "OSD" button twice (2 x), you will see the total remaining time on your CD. "REM" can be seen on the display. The time counter will now count down the remaining minutes and seconds.

Note that the mbl 1621 A has an additional time button installed on its front panel. The functioning is identical to the one on the remote control unit.



total playing time



elapsed time



remaining time

### f A → B Repeat Playback

By using the "A/B" button on the remote control, you can identify passages for repeat playback.

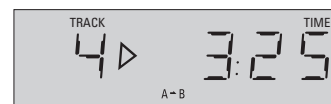
**Note:** This button only works during playback.

After having entered the beginning and the end of a passage, the transport will begin to repeat that same passage over and over.

The display will show "A → " for the beginning and "A → B" for the end of the marked passage.



passage start



passage end



**Example:** You want to repeat the passage between track 7 (time: 0:35) and track 11 (time: 2:35).

When you have reached 0:35 in track 7, press the "A/B" button once (1 x).

The display will now show "A → " in addition to track number and time.

Now wait for the playback to reach track 11 at 2:35 (you may also scan the track up to 2:35), and press "A/B" again.

"A → B" will now appear on the display.

The transport will immediately enter the repeat mode and restart playback in track 7 at 0:35. It will continue to play until track 11 at 2:35, then re-start the passage over again.

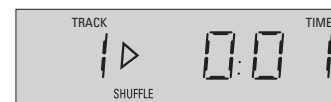
Passage markers may also be identified during program play.

To delete a marker,

- press the "A/B" button again, or
- press the skip forward or skip back buttons, or
- end the playback by pressing the stop button.

## 9 Shuffle

If you wish to hear the tracks on your CD in random, press the shuffle button. The display will show SHUFFLE.



random playback





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## 7. Cleaning the Transport

### **Unplug the transport before cleaning!**

To clean the exterior surfaces of your mbi 1621 A use a dry, soft cloth. To wipe off fingerprints and other grease spots use a soft, wet cloth moistened with a mild detergent dissolved in water.

**Caution:** The cloth must never be dripping wet! If water or other fluids enter the cabinet, you risk damaging the unit.

**Never use** scouring pads, steel wool, scouring powders or harsh chemical agents, alcohol, thinners, benzine, insecticide or other volatile substances, as these will destroy the cabinet's finish.



## 8. Troubleshooting

Please take note of our advice on installing the unit at the beginning of this manual. The following factors may have adverse effects on the performance of your mbl 1621 A:

- excessively high temperature (over 40° C, e.g. near heating appliances)
- low temperature (below 10° C)
- extreme humidity (over 95 %, e.g. near air conditioners)
- extremely dry air (humidity below 10 %)
- extreme temperature variations (condensation)
- dust
- electrostatic interferences (e.g. near fluorescent lamps or engines)
- vibration and shock

These external influences should be addressed first, if problems occur.

### **a** No power, no display

Has the plug been properly connected to the wall outlet? Has it been properly attached to the transport itself? It may sound strange, but the latter problem occurs more often than one cares to count. Insert the plug securely into the wall outlet and the transport connector.

Is the wall outlet working correctly? Connect a different electric appliance to the wall outlet and see if it works.

If the plug is properly attached and wall outlet working correctly, check the fuse:

- Always pull the plug from the wall outlet first! Otherwise, you will risk damage to the transport. DANGER - health hazard!
- Pull out the fuse holder, which is installed above the power connector on the back panel.
- The fuse holder contains 2 fuses (0,5 AT for 230 V/A or 1,0 AT for 115 V/A). The left fuse is the active one, the right one is in reserve. Exchange both fuses.
- Put the fuse holder back in place and re-plug the transport to the wall outlet.

If the transport still does not work, pull the plug again and wait for at least 3 hours. If condensation has formed inside the cabinet, this waiting period should allow the transport to dry out. Plug in the transport again afterwards. If it still does not work, you should consult a qualified engineer.



### **b** The CD fails to rotate, display is on

- Is the disc placed in the correct position (with its printed surface facing up)?
- Has the stabilizer been properly placed on the CD?
- Is the lid of the transport closed?

If the answer to all three questions is "yes", insert a different CD and try again. Malfunctions may occur with recordable CDs (CD-Rs). If CD-Rs do not play, use regular CDs only.

If the transport fails to play several regular CDs, pull the plug and wait for at least 3 hours. If condensation has formed inside the cabinet, this waiting period should allow the transport to dry out. Plug in the transport again afterwards. If it still does not work, you should consult a qualified engineer.

### **c** The CD is rotating, but no music is heard

- Have the connections to the D/A converter and those from the converter to the pre-amplifier or integrated amplifier been properly established?
- Are the loudspeakers or headphones connected properly?
- Are converter and amplifier properly connected to the wall outlet, and are they switched on?
- If so, is the volume control on your amplifier correctly adjusted and the mute switch (on the converter and/or amplifier) off?
- Check if the music source switch on your amplifier is switched to "CD" and if the suitable output (loudspeaker or headphones) has been identified.

If all else fails, pull the plug and wait for at least 3 hours. If condensation has formed inside the cabinet, this waiting period should allow the transport to dry out. Plug in the transport again afterwards. If it still does not work, you should consult a qualified engineer.

### **d** The sound drops out or noise is heard

Try a different CD. If the second CD is played without problems, the CD is probably scratched or dirty. Note that some recordable CDs (CD-Rs) may not work in this transport.

If there are dropouts or noise while playing other regular CDs, check the connections between the different components of your system (CD transport, converter, amplifier, loudspeakers or headphones).

If the dropouts continue to appear, pull the plug and wait for at least 3 hours. If condensation has formed inside the cabinet, this waiting period should allow the transport to dry out. Plug in the transport again afterwards. If it still does not work, you should consult a qualified engineer.



### **e** The disc stops in mid-operation

Try a different CD. If the second CD is played without problems, the CD is probably scratched or dirty. Note that some recordable CDs (CD-Rs) may not work correctly in this transport.

### **f** CD is dirty

A dirty CD may cause many problems for your transport: it may soil and ultimately damage the transport. Take care to clean dirty CDs before inserting them into the transport.

Use a soft dry cloth to remove dust and pieces of fluff from the CD. For finger prints and grease spots, use a cloth moistened with a mild detergent or special CD cleaning fluid. Never use harsh chemical agents or other volatile fluids. Otherwise, you may destroy the CD!

When cleaning the CD, always wipe straight from the center to the edge of the disc. Do not wipe in circles.

### **g** Remote control operation is not possible

Are the batteries in the remote control exhausted? If so, replace them with fresh ones. Always replace both batteries with new ones!

Are the batteries inserted with the correct +/- polarity?

Are both the infrared transmitter on your remote control and the remote sensor on the front panel of the transport clean? If both are dirty or greasy, use a slightly moistened cloth to clean them. See maintenance instructions for details.



**a General**

Power Supply	Toroidal power transformer two-guard shielding Separated windings for each functional group (4)
Voltage (factory set for destination country)	230 V / 50 Hz 115 V / 60 Hz
Power Consumption	12 VA typical, during playback
Dimensions (W x H x D)	480 x 200 x 445 mm, 19 x 8 x 17.5"
Weight (net)	26 kg, 57 lbs

**b Digital Outputs**

<b>XLR (AES/EBU)</b>	
Connector Style	XLR
Output Impedance	110 Ohm
Open Voltage	2 Vp-p
Load Voltage	1 Vp-p
Bandwidth	40 MHz
Pins	Pin 1: ground Pin 2: in-phase Pin 3: off-phase
<b>RCA (SP DIF)</b>	
Connector Style	RCA
Output Impedance	75 Ohm
Open Voltage	2 Vp-p
Load Voltage	1 Vp-p
Bandwidth	40 MHz
Pins	Internal Conductor: in-phase External Conductor: ground

**c CD Mechanism**

CD PRO 2 LF Module

Heavy die-cast frame

3-beam laser for high tracking accuracy

Laser: 780 nm, max. 0,5 mW

Glass Lens

Linear sledge for radial tracking

Fully digital servo processing

19 K SRAM FIFO Buffer with digital PLL

**d Media**

Standard compact disc (Red Book)

Resolution: 16 Bit

Sample Rate: 44.1 kHz

Number of Channels: 2

Modulation: EFM

Error Correction: CIRC

Rotation Speed: 3,3 – 8,3 revolutions per second (200 – 500 rpm)



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## MBL Reference Line High End Audio Components

For best performance we recommend the High End Audio components of the MBL Reference Line. Your MBL dealer will help you to choose the optimal components for your perfect High End Audio system.



mbl 1621 A CD Transport



mbl 1611 F D/A Converter



mbl 101 E MKII Radialstrahler



mbl 6010 D Preamplifier



mbl 9011 Mono/Stereo Power Amplifier



mbl 9008 A Mono/Stereo Power Amplifier



mbl 9007 Mono/Stereo Power Amplifier



mbl 101 X-treme Radialstrahler System