Palsonic

Instruction manual
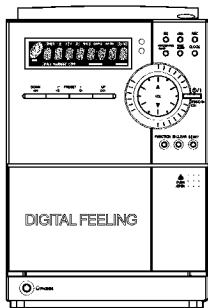

Micro Component Sound System
PMCL-521

Controls

Before doing anything with the machine, please read the chapter "Installation / connections"

*Please keep the sound system's guarantee card and receipt safe for warranty purposes, if guarantee card is supplied to you.*

Precautions
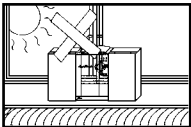
◆ Read carefully through this manual to familiarise yourself with this high-quality sound system.
◆ Make sure the rating of your household electricity supply matches that shown on the back of the sound system.
◆ Refer to this chapter and the "Installation / connections" chapter (page 3) to help you install and adjust your sound system.
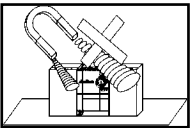
Do not ...
... expose the sound system to high levels of humidity and heat, to avoid the risk of fire and electric shock.
··· connect the sound system to the power supply if you, have just moved it from a cold to a warm environment. This can result in condensation inside the system and cause serious damage to the machine and cassettes. Wait around two hours to allow it to reach room temperature.
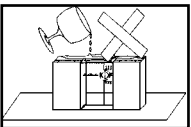
Make sure ...
... the system is placed on a stable, flat surface.
... keep distance about minimum 10 Cm from the wall when it's installed.
... you place the system where there is good ventilation all around.
... you clean the system only with a soft, line-free cloth, do not use aggressive or alcohol-based cleaning agents.
... you disconnect the power supply if the system appears to be working incorrectly, is making an unusual sound, has a strange smell, has smoke emitting from it or liquids have got inside it. Have a qualified technician check the system.
... you disconnect the power supply and aerial if you will not be using the system for a long period or during a thunderstorm.
... this apparatus shall not be exposed to dripping or splashing water and that no objects filled with liquids, such as vases. shall be placed on the apparatus.
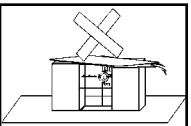
For your own safety!
◆ There are no components in this sound system you can service or repair yourself.
◆ Do not open the case of the sound system. Only allow qualified personnel to repair or service your set.
◆ "Class 1 Laser Product" : Do not override the safety locks around the laser unit of the CD player: Laser beams can damage your eyes!
◆ This sound system is designed for continuous operation. Switching it off does not disconnect it from the mains (stand-by). To disconnect it from the mains, you have to unplug it.
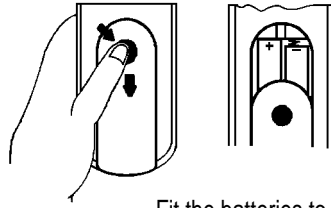◆ Recording any copyright protected material may infringe a copyright.

2

INSTALLATION / CONNECTIONS

Placing your sound system components

Same distances
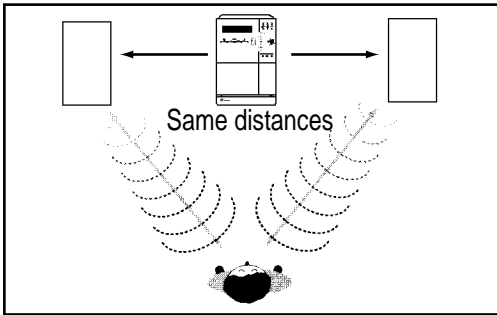
Optimal stereo position

Remote control and batteries

Fit the batteries to match the + and - symbols in the compartment.

◆ Batteries for remote control unit are not provided.
◆ Please protect your environment! As batteries contain certain toxic substances they pollute the environment if not properly disposed of. Your specialised dealer will accept used batteries.
◆ Make sure the batteries are always of the same type and age, and remove them from the remote control if you are not using it for a long period.

Installation

◆ Plug the provided AM antenna here.

◆ Fit the provided FM antenna here.

◆ Plug a device like a video recorder, TV set, or minidisc, etc. here. Be sure to connect sockets and plugs of the same colour.

AM ANT

FM ANT

L R
AUX

L
R
SPEAKER

Left speaker

Right speaker

Push here

SPEAPER
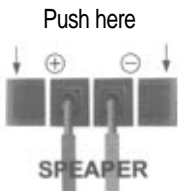
Fit the speaker cables. Be sure to connect the pair of cables (for the left and the right speaker) so that the marked flexes have both the same colour (phase).
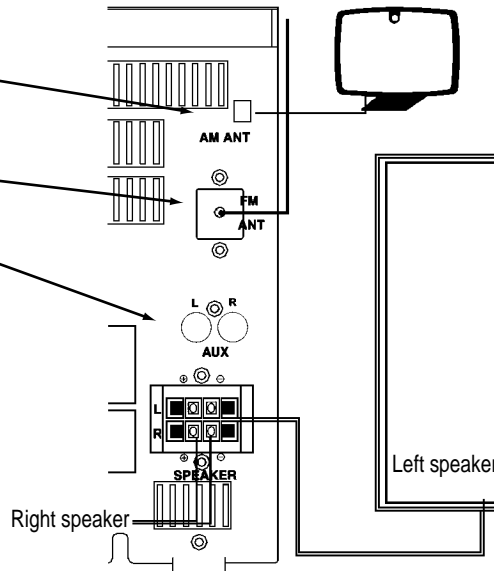
Make sure the rating of your household electricity supply matches that shown on the back of the sound system.

◆ Do not stack objects on top of the sound system.
◆ Do not block the ventilation holes of the sound system.
◆ Place the system so that air can circulate freely.
◆ Switch devices off when connecting or disconnecting.
◆ Do not expose the sound system to high levels of humidity and heat, to avoid the risk of fire and electric shock.
◆ Do not connect the sound system to the power supply if you have just moved it from a cold to a warm environment. This can result in condensation inside the system and cause serious damage to the machine and cassettes. Wait around two hours to allow it to reach room temperature.
◆ Be sure you disconnect the power supply and aerial if you will not be using the system for a long period or during a thunderstorm.
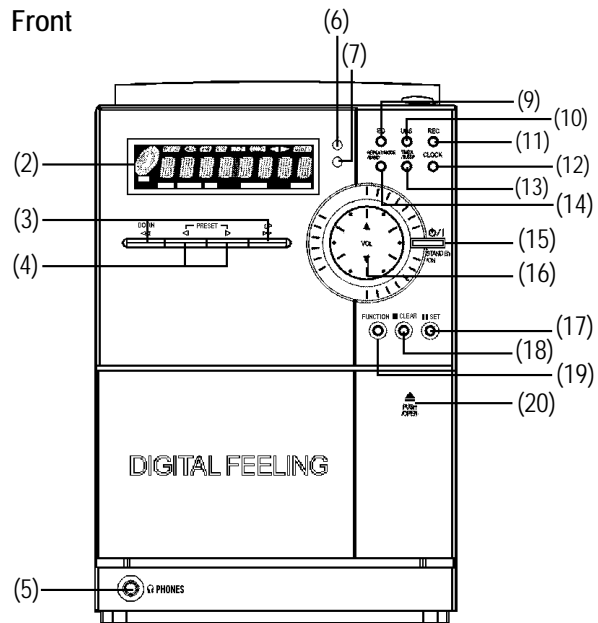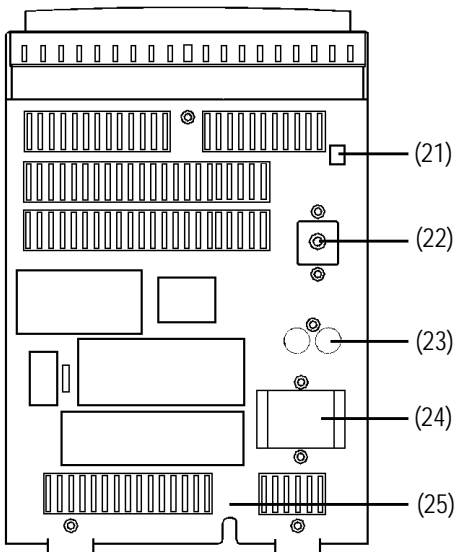◆ Be sure to read the precautions on page 2.

3

CONTROLS

Machine

Top

Front

Back

4
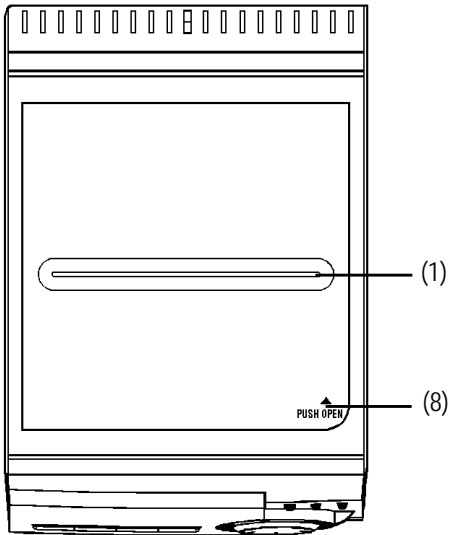
CONTROLS

Place your sound system

◆ *horizontally on a flat, steady base so that air can circulate around it for ventilation.*

◆ *away from humidity and heat, magnetic fields, such as those from loudspeakers etc.,*
  and with no heavy objects placed on top.

About the Power Save Mode.

◆ *After switching on your sound system the first time, the machine waits for time setting. See page 11-12 .*

◆ *If power save mode is set before, power save mode is maintained after power failure.*

◆ *If power save mode is set before, the machine displays "CLOCK" for a moment, and turn on PSM indicator*
  when connecting AC power.

◆ *The remote control is the principal means of control, but the main functions are also available on the front of the*
  machine.

MACHINE

TOP VIEW

(1) CD DOOR

(2) CD DOOR OPEN (   ) button: To open or close the disc compartment. To load / unload CD.

FRONT VIEW

(2) DISPLAY

(3) DOWN/UP ◄◄ ►► : To tune in stations, to set values in programming, to fast reverse or advance tape, CD.

(4) PRESET ◄ / ► :To start play for CD and TAPE or to select station presets and reverse play for tape (Option: Auto Reverse only).

(5) ⌂ PHONES jack: Headphone socket. Plugging in a headphone switches the speakers off. Remote Control Sensor

(6) PSM indicator (optional)

(7) EQ button: This adjustment section lets you

(9) adjust your system's sound to the music style you are listening to such as *FLAT, Jazz, Classic, Pops* and *Rock* (*Flat* means no style). UBS button: Bass enhancement (on / off).

(10) REC button: To start tape recording.

(11) CLOCK button: To show the current time in the

(12) system's display. TIMER/SLEEP button: [SLEEP] To set the

(13) minutes after which the system is to switch off automatically. Press repeatedly for a time between 90 and 10 minutes or [TIMER] To select timer setting and to activate / deactivate timer stand-by.

(14) REPEAT/BAND/MODE button :To select repeat play for a track in the CD or to select FM or AM radio in the TUNER. Or to select tape direction (Auto Reverse Only) in the tape. (Option)

(15) ON/STANDBY button :To system power ON/STANDBY.
Power save mode (Only Europe) : This mode is implemented to reduce power consumption at stand-by operation. At this time, all display are turn off except stand-by mode (power save) L.E.D. (7), SET, Clock, TIMER, Power, Function, Band (on Remote Control Unit) buttons are available at this mode.

1. To set power save mode on : During the machine is power off status, push power button over 3 seconds. If the machine is set to power save mode, automatically turn to power save mode after a few seconds.

2. To set power save mode off : If the machine is set to power save mode, push power button over 3 seconds at power off condition.
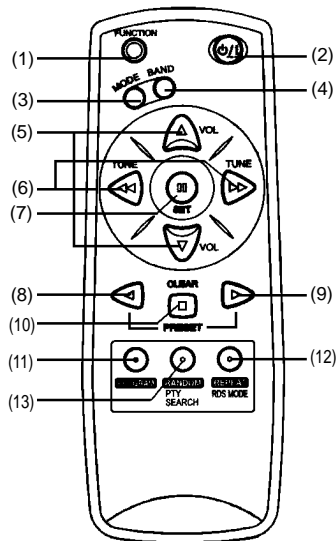
(16) VOLUME Control: To set the volume level.

(17) ▌▌ SET button: For a short pause during recording on a tape, the CD play or to advance in a programming (e.g. clock set).

(18) ■ CLEAR button: To stop play and record or to cancel functions.

(19) FUNCTION button: To select TAPE, TUNER, AUX, CD player.

(20) ▲ PUSH OPEN: To open or close the tape compartment. To load / unload TAPE.

BACK VIEW

(21) AM (MW) ANTENNA terminal

(22) FM ANTENNA jack

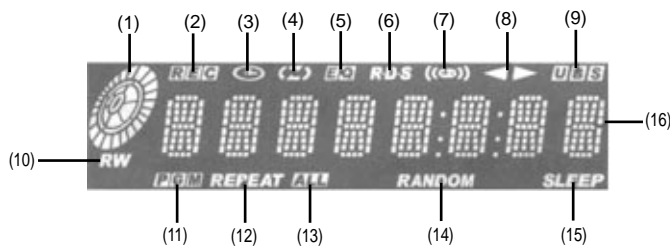(23) AUX jack

(24) SPEAKER terminal

(25) AC Cord

5

CONTROLS

Remote Controller

(1) FUNCTION: To select tape, tuner, a connected device (video ...), or CD player.

(2) POWER ON/STANDBY: Power on/off (stand-by).

(3) MODE: To select FM mono for weak stereo reception.

(4) BAND: To select FM or AM radio.

(5) VOLUME UP/DOWN: To set the volume level.

(6) TUNE UP/DOWN: To tune in stations, to set values in programming, to fast reverse or advance tape and CD.

(7) SET/PAUSE: For a short pause during recording of a tape or CD play or to advance in a programming (e.g. clock set).

(8) PRESET DOWN: To select station presets or PTY programme.

(9) PRESET UP/PLAY: To start play CD or to start playing tape, to select station presets or PTY programme.

(10) CLEAR/STOP: To stop play or to cancel functions and values.

(11) PROGRAM: To enter programme play.

(12) REPEAT/PTY SEARCH: To select repeat play for a track in the CD and to enter PTY search function in the RDS.

(13) RANDOM/RDS MODE: To select random play for CD and to enter RDS mode in the FM.

DISPLAY

1. CD PLAY
2. REC
3. TIMER
4. TAPE MODE
5. EQ
6. RDS
7. FM STEREO
8. PLAY

9. UBS
10. RW
11. PROGRAM
12. REPEAT
13. REPEAT ALL
14. RANDOM
15. SLEEP
16. MULTI FUNCTION

6

RADIO

Tuning stations

FUNCTION

Select the tuner function.

pressed until tuning starts.

A station is being received.

BAND

Select the band.

MODE

button on the Remote Control

FM stereo broadcasts with too much noise can be switched to mono for less noise.

TUNE **TUNE**

To find weak stations too, press repeatedly while tuning.
To find powerful stations quickly, tune automatically keeping either button.

◆ Mode button on the Unit is tape mode button (only Auto reverse option).

Programming station presets

You can store up to 30 FM / 15 AM stations.

TUNE **TUNE**

Find a station as under "Tuning stations".

SET

Store.
The system assigns a station to a number beginning with 1, one after another.

Selecting station presets

PRESET

Select lower or higher preset numbers.

◆ On the machine select the tuner function and the band by pressing REPEAT/MODE/BAND button.
◆ If you try to store a 31st FM / 16th AM station, the display will show "FULL".
◆ To clear a preset station, select it, press ■ / CLEAR, then ❚❚ / SET within 5 seconds.
◆ You can use the **MODE** button of the remote control to switch back to stereo.

RDS (RDS option only 7~8 page, only for model with RDS)

Receiving FM Stations with RDS

RDS (Radio Data System) is a broadcasting service which a growing number of FM stations are now providing. It allows the FM stations to send additional signals along with their regular program signals. For example, the stations send their station names and information about what type of program they broadcast, such as sports or music, etc.
When tuned to an FM station which provides the RDS service, the RDS indicator lights up, the station frequency (and then the station name if sent) is displayed.

Not all FM stations provide RDS service, nor do all RDS stations provide same services. If in doubt, check with local radio stations for details on RDS services in your area.

This unit can use the following RDS service.
PS (Programme Service name) Identifies each station by a name.

RT (Radio Text) Allows the RDS station to send text messages that appear on the display of the unit.

PTY (Programme Type) Identifies the type of RDS programme. This allows you to locate a specific type name of program being broadcast.

Switching the display contents

To view RDS information on the display, press the RDS MODE key.
Each time you press the button, the display changes to show the following information.
PS (Programme Service) PTY (Programme Type) RT (Radio Text) Station frequency
Before the above information is displayed, "WAIT PS", "WAIT PTY", or "WAIT RT" may be appear
on the display.

Searching for a desired programme by PTY codes

One of the advantages of the RDS service is that you can locate a particular kind of
program by specifying the PTY codes.
The PTY Search function is applicable to preset stations only.
To search for a programme using the PTY codes, follow this procedure: Using the remote
controller

1. Press the PTY SEARCH button
   "PTY" and "SELECT" appear alternately on the display.
2. Press the preset UP or DOWN button (including the one of unit) to select a PTY.
   The display changes with each press of the button as shown below:

Pressing the preset UP or DOWN button to the right
↔NEWS ↔AFFAIRS ↔INFO ↔ SPORT ↔ EDUCATE ↔ DRAMA ↔ CULTURE ↔ SCIENCE
VARIED ↔POP M ↔ ROCK M ↔ EASY M↔ LIGHT M ↔ CLASSICS ↔OTHER M ↔ WEATHER
FINANCE ↔ CHILDREN ↔ SOCIAL A ↔ RELIGION ↔ PHONE IN ↔TRAVEL↔ LEISURE ↔ JAZZ
COUNTRY↔ NATIONAL↔ OLDIES ↔FOLK ↔ DOCUMENT
 ← Pressing the preset UP or DOWN button to the left

Press the PTY SEARCH button again
While the search function is running, the selected program type and "SEARCH" alternate on the display.
Once the station which is broadcasting the selected PTY (Program type) is located, searching will stop.
Then the PTY will be indicated and the broadcast will commence.
If a station broadcasting a selected PTY cannot be found, "NOT" and "FOUND" are displayed just one
time alternately on the display. The unit will then return to the station to which it was tuned prior to the start
of the PTY Search.

◆ RDS may not work correctly if the station to which you are tuned is not transmitting properly or
   if the signal strength is weak.
◆ RDS information have to be changed with only remote control unit.
◆ If no adjustment are made in PTY Select mode, "PTY" and "SELECT" will continuously appear on the display
   Perform the next step while "PTY" and "SELECT" are being displayed.

◆ Page 7-8 is the option only for Model with RDS.

8

TAPE

◆ *TAPE: To play back prerecorded tapes and to record tapes.*
◆ *For tape recording see page 10-11.*

Playing tapes

FUNCTION

Select the TAPE function.

Open the tape compartment to load the tape.
Be sure to have the open part of the cassette downwards and the tie left hand spool fully wound.
Close the compartment door again, pushing it softly.

PUSH /OPEN

Start playback.

Start reverse playback (AR only)

CLEAR

Stop playback.

Winding

CLEAR

Stop playback.

TUNE   TUNE

Fast rewind or advance the tape.

◆ On the remote control select the TAPE function pressing the FUNCTION button.
◆ For tape recording see page 10-11.
◆ The tape counter resets to "0000" when a tape compartment is opened ("0000" need not be the beginning of the tape).

CD

◆ On the machine select the CD function, by pressing the FUNCTION button repeatedly.
◆ When the disc stops the machine shows its total time.
◆ During playback the machine shows the current track number, and the track's play time.
◆ Please read remarks about discs on page 13.
◆ When playing a CD-RW disc, cannot play a unfinalised CD-RW disc.
◆ In case of playing the multi-session CD-RW disc, can play the first session only.
◆ Discs recorded by personal computer or high speed recording may not be played (or cause noise) according recording format.
  It is recommended to record discs record as low speed as possible or using recordable CD for AUDIO.

Playing CD

FUNCTION

Select the CD function.

Open the disc compartment to load a disc.
Be sure to have the disc label facing upwards.

PUSH/OPEN

TUNE   TUNE

To select a specific start track.

Start playback.

If you want to interrupt playback briefly - and to continue.
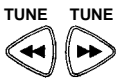
SET

CLEAR

Stop playback.

Searching

TUNE   TUNE

To search for a particular point on the disc reverse or forward. (hold pressed the button more than 500ms)

9

Skipping

TUNE **TUNE**
◀◀ ▶▶
To Skip tracks down / up (if you want, press the button repeatedly).
Hold pressed the button less than 0.5 sec.

Programmed CD tracks playback

CLEAR
■
Stop the disc.

30 tracks for your programme.

○
PROGRAM
Select the programme function.

▷
Play your programme.
You can search and skip during
programmed playback.

TUNE **TUNE**
◀◀ ▶▶
Now move to a track number.

CLEAR
■
Stop Playback
To cancel programmed CD playback,
press the button twice.
Program contents are also cleared by
opening CD compartment.

Ⅱ
SET
Select this number for the programme.
◆ With the last two steps select up to

Repeat playback

○
REPEAT
RDS MODE
Select the repeat function, press
repeatedly to have ...

"REPEAT"   to repeat the current track.
"REPEAT **ALL** *"* to repeat disc.

○
REPEAT
RDS MODE
To cancel repeat playback, press the
button until in the display is unmarked.

You can repeat a programme by
pressing **REPEAT** button
during programme playback.

Random playback

○
RANDOM
PTY
SEARCH
Select the random function, press
repeatedly to have ...

"RANDOM"   to play tracks of a disc
randomly.

○
RANDOM
PTY
SEARCH
To cancel random playback, press the
button until *"RANDOM"* in the display
is unmarked.

RECORDING

◆ *Load a tape with enough free recording time into TAPE compartment.*
◆ *Be sure to have the open part of the cassette downwards and the left hand spool fully wound on the left.*
◆ *Close the compartment door again, pushing it softly.*

Recording stations

FUNCTION
◎
Select the TUNER function.

REC
○
Start your recording.

BAND
○
Select the band.

Ⅱ
SET
If you want to interrupt
recording briefly-and to
continue.

TUNE **TUNE**
◀◀ ▶▶
Choose the station
(see also page 7).

CLEAR
■
Stop your recording.

10

Recording from a connected device

FUNCTION

Select the AUX function.
Be sure the audio output of the device is properly connected (TV set, video recorder minidisc, etc.) to the AUX input sockets on the back of the machine (see also page 3).

REC

Start your recording.

SET

If you want to interrupt recording briefly-and to continue.

CLEAR

Stop your recording.

Recording CD

FUNCTION

Select the CD function.

PUSH/OPEN

Open the disc compartment to load a disc.

TUNE TUNE

To find a track to be recorded.

REC

Start your recording.

CLEAR

Stop your recording.

◆ If the tape is not rewound completely, rewind it first.
◆ If you want to start at the current position, press REC button.
◆ Use only good quality tape cassettes.
- Keep cassettes away from excessive moisture or dust, magnetic and electrical fields (loudspeakers and computer monitors, for example)
- Always wind the tape to the beginning when you have finished. Store the cassette in its cover.
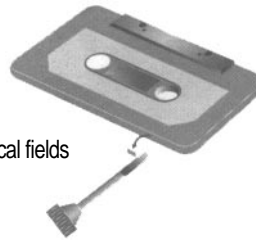
You can protect your precious recordings from being wiped by breaking out the safety tab on the side of the cassette.
Should you wish to re-use the tape after removing the tab, cover the hole with adhesive tape.

Timer and clock

◆ You can set the machine to automatically switch on and off at a specified time.
◆ Be sure the clock is set accurately.
◆ If you want to cancel the SLEEP function, press the button till "SLEEP" disappears from the display.

* Only if the clock was set before.

Setting the clock

STAND BY /ON

Switch off your sound system*.

CLOCK

Enter clock-set mode and then press /SET button, the hour digits flash.

SET

DOWN UP

Set the current hour

SET

Switch to the minute digits.

DOWN UP

Set the current minutes.

SET
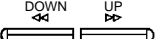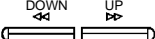
Start the clock and exit clock set.

11

Setting the timer

TIMER /SLEEP Select the TIMER function.
(Hold pressed the button less than about 1 sec)
(Timer display disappears after about 9 seconds.)

FUNCTION Select, if you want to listen to the radio, tape, CD, or a connected device when the system turns on. Press repeatedly.

II SET Enter 'on' time

DOWN ◄◄ / UP ►► Set the hour of the time the machine is to switch on.

II SET Switch to the minute digits.

DOWN ◄◄ / UP ►► Set the minutes of the time the machine is to switch on.

II SET Switch to the volume setting.

▲ VOL / ▼ VOL Set the volume between MIN, 1 and 29, MAX.

II SET Switch to the time the machine is to switch off again.

DOWN ◄◄ / UP ►► Each time you press the button, you decrease / increase off time from 10 minutes up to 240 minutes.

II SET Timer setting is finished and exit the setting.

Timer stand-by on / off

TIMER /SLEEP Press the button repeatedly to switch

" ⊙ "   timer stand-by to play.

"   "   timer off.

Displaying the time

CLOCK The machine shows the time for approx. 4 seconds.

Setting the sleep timer

You can set the machine to automatically switch off after a specified time

TIMER /SLEEP Select and hold pressed the button over 1 second for the SLEEP function.

TIMER /SLEEP Each time you press the button, you cut off time from 90 minutes down to 10 minutes (then off).

Checking the timer

TIMER /SLEEP Select the TIMER function.

12

APPENDIX

Before you ask a specialist

No sound
- No mains supply?
- Volume at minimum?
- Are headphones plugged in the headphone socket?
- Did someone press the MUTE button?

Noise with radio sound
- Station not tuned accurately? Tune again
- Weak FM station? Switch to mono using MODE button.
- Weak AM stations? Move the AM antenna slowly for better reception.
- Antenna accurately fitted?

Bad sound with tapes
- Be sure playing / recording heads and tape guiding parts are clean, see bottom of this page.
- Try another cassette.

No recording
- Cover the safety hole of the cassette with adhesive tape.
- Correct source CD, tape, tuner, AUX selected?

No CD playing
- Safety lock not removed yet?
- Load a CD with the label facing upwards.
- CD scratched, broken deformed, ... Try with another.
- Condensation e.g. after a transport? Wait for a while (20-30 minutes)
- CD dirty? Wipe with a soft cloth from the centre to the outside.

Remote control does not work
- Batteries fitted the wrong way? See page 3.
- Batteries run down? Try new ones.
- An object is blocking the direct line between remote control and the system. Max distance to the system is 4 ~ 7 m pointing to its front.

Cleaning the audio heads of the tape deck

Unplug your sound system from the mains Open the tape compartments
After playing and recording for a time the sound of the tape recorders may become muffled. Then clean the heads and tape guiding parts.

Only use a soft utensil with alcohol or a special head cleaning liquid.
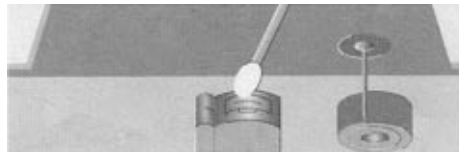
earsing/playing/ tape guiding
recording head parts

Compact discs

Always ...
◆ handle your discs with care. Hold a disc with the fingers touching the edge or the hole.
◆ place the disc with the label facing up.
◆ place the disc properly into the tray using the proper guide area for 12 cm or 8 cm discs.
◆ replace a disc in its case after playing and store it in a vertical position.
◆ use a soft cloth to clean a disc if necessary and wipe from the centre to the outside.
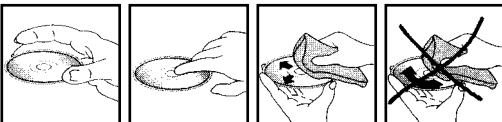
Never ...
◆ play a deformed, cracked, or chipped disc.
◆ try to repair a disc with adhesive tape or glue.
◆ close the tray with a disc slipping out of the guide area, or two disc inside.
◆ scratch a disc or store it in direct sunlight, high humidity or high temperature.
◆ use record cleaning sprays, benzene, static electricity liquids or any other solvent, if the disc surface is soiled. Wipe gently with a soft, damp (water only) cloth.
◆ wipe the disc in a circular motion, since circular scratches are likely to occur, which will cause noise.
◆ write on the disc.
◆ move the system during playback.

Palsonic

Techinal data

Dimensions (W x D x H)
Set: 160 x 235 x 230 mm
Speaker: 140 x 175 x 230 mm
Weight: 3.2kg / 1.4kg x 2

Power supply
Voltage：   AC 110V or 120V 127V or
            220V or 230V or 240V (50/60Hz)

Power consumption
            30watt

Reception range
FM: 87.5MHz - 108MHz
AM: 522 - 1620kHz

CD
Converter: 1 bit D/A
Oversampling: 4x

Tape
Automatic level control

Amplifier
Power   T.H.D. 1%   9.5W + 9.5W
            T.H.D. 10%   11.5W + 11.5W
            PMPO.   180W

Speakers
Impedance   6 ohm

Subject to technical alterations without notice.

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