

SONY

3-750-366-12(1)

FM/AM Compact Disc Player



CDX-R79

FM/MW/LW Compact Disc Player

CDX-R79L

Operating Instructions Page ●

Before operating the unit, please read this manual thoroughly and retain it for future reference.

Mode d'emploi page ●

Avant la mise en service de cet appareil, prière de lire attentivement ce mode d'emploi que l'on conservera pour toute référence ultérieure.

Gebruiksaanwijzing blz ●

Less, alvorens het apparaat in gebruik te nemen, de gebruiksaanwijzing aandachtig door en bewaar deze voor eventuele naslag.



For installation and connection, see the supplied installation/connections manual.

En ce qui concerne l'installation et les connexions, se reporter au manuel d'installation/connexions, fourni.

Zie voor het monteren en aansluiten van het apparaat de bijgeleverde [Montage/Aansluitingen]-gebruiksaanwijzing.

The model and the serial numbers are located on the top. Record the serial number in the spaces provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. DTX-10 Serial No. _____

For the Customers in the U.S.A.

INFORMATION

This equipment generates and uses radio frequency energy and if not installed and used properly, that is, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for a Class B computing device in accordance with the specifications in Subpart J of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in a residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient the receiving antenna.
- Relocate the equipment with respect to the receiver.
- Move the equipment away from the receiver.
- Plug the equipment into a different outlet so that equipment and receiver are on different branch circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the Federal Communications Commission helpful:

"How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington, DC 20402, Stock No. 504-000-000345-4.

Features

DTX-10 is a digital audio tape car stereo combined with FM-AM PLL synthesizer tuner. When you connect a Sony CD changer (not supplied), you can control it by operating this unit. To operate this unit, you need a power amplifier (not supplied).

DAT cassette player section

- The Digital Audio Tape player offers excellent sound quality.
- 8-times-16-bit over-sampling digital filter
- The AMS (Automatic Music Search) function allows you to locate the beginning of a selection quickly.
- The Intro Play function plays the first ten seconds of each selection.
- The Repeat Play function enables a repeat play of the selection you are now listening to.
- The Skip Play function enables you to skip any portion that you prefer not to listen to.

Tuner section

- SSR (Sony Super Interference Rejection) PLL Synthesizer tuner
- The Automatic Memory function stores a total of 24 stations in memory quickly and easily.
- The Memory Scan function scans preset stations for five seconds each in order.
- The extended range in AM band (530-1,710 kHz)

CD section (when a Sony CD changer is connected)

- The Intro Play function plays the first ten seconds of each selection on every disc.
- The Repeat Play function enables a repeat play of the selection you are now listening to.
- The Disc Scan function plays the first ten seconds of the first selection on each disc.
- The Shuffle Play function plays selections in random order.
- Manual Search allows you to find a desired point in a selection.

General

- You can choose the illumination color on the front panel indicators as green or amber.
- The digital clock shows the current time using 12-hour indication.

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Precautions

- Before operating the unit for the first time or after replacing the battery, press the reset button (page 6) with a pencil, etc. Then start operating the unit.
- If your car was parked in direct sunlight and there was a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- If the unit will not go on, check the connections first. If everything is in order, check the fuse.
- If no sound comes from the speakers of a 2-speaker system, set the fader control to the center position.

A Precaution for Volume Adjustment

Digital audio tapes have a very low noise level compared to analog cassette tapes. If you adjust the volume while listening to the noise of the portions without sound.

unexpectedly loud sound may come out and may damage the speakers or disturb your driving the car. When you start DAT tape playback, always keep the volume low.

Precautions for Circuit Protection

If the amplifier remote control lead or the antenna remote control lead of this unit should short-circuit, or if excessive current should flow into the unit, the protection circuit provided with this unit activates to prevent the unit from damage. When the circuit activates, illuminations on buttons (except for four buttons on the right side of the front

panel) will go off and no sound will be heard from speakers. If this happens, disconnect the amplifier remote control lead and antenna remote control lead from the external equipment connected to this unit, then turn off the power of the unit. For details about a remedy when the protection circuit activates, see "Troubleshooting Guide" (Page 27).

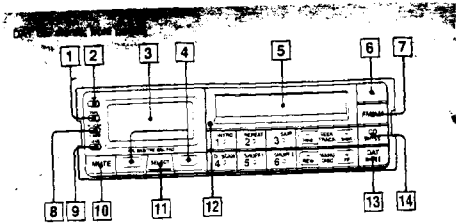
Protecting your DAT Cassettes

- Remove the DAT cassette from the player when you are not using the car stereo.
- Do not expose the DAT cassettes to direct sunlight, extremely hot or cold temperatures or moisture. (The temperature rises extremely high inside the car especially during summer.)
- Keep the DAT cassettes away from equipment with magnets such as speakers and amplifiers to prevent erasure or distortion of the recorded tape.
- DAT cassettes are designed to prevent dust from entering inside during ordinary use. Do not force open the cassette.

- Do not touch the tape surface of the DAT cassettes.
- Do not compress the cover of the DAT cassette as it may cause malfunction.

If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Location and Function of Controls



Refer to the pages in ■ for details.

- 1 DSPL (display) button ●●●●●
- 2 OFF (power off) button ●
- 3 Display window
- 4 (volume, bass, treble, balance) fader control buttons ●
Normally function as volume controls.
- 5 Cassette insertion door
- 6 (eject) button ●
- 7 FM-AM (radio on-band select) button ●
- 8 M-SCAN (memory scan)-A-MEM (automatic memory) button ●●●●●
- 9 SENS (sensitivity) button ●
- 10 MUTE button
Press to mute the sound for a moment. Press it again or press **+** to restore the same level as before.
- 11 SELECT (control mode select) button ●
- 12 Reset button ●●
Press this button when you use this unit for the first time and when you have changed the car battery, or when other buttons do not function.
- 13 DAT => II (DAT tape play/pause) button ●
- 14 CD => II (disc play/pause) button ●

Changing the Control Mode

Press the SELECT button to select the desired control mode. The mode you selected appears in the display window. Within 3 seconds after selecting the desired control mode, adjust the level using the **-** or **+** button. Otherwise, the mode goes back to the volume control mode.

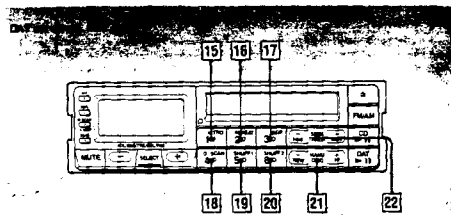
The table below shows how to adjust the level of each control mode.

Display window	Control mode	Press -	Press +
BAS	Bass control	For less bass	For more bass
TRE	Treble control	For less treble	For more treble
BAL	Balance control	To decrease the right-speaker volume	To decrease the left-speaker volume
FAD	Fader control	To decrease the rear-speaker volume	To decrease the front-speaker volume
VOL	Volume control	For less volume	For more volume

*1 When you use the surround function of a graphic equalizer (not supplied), keep the balance control of the unit in the center and adjust the balance of the graphic equalizer.

*2 When you use a graphic equalizer with this unit, the fader control of this unit does not function. Adjust the fader of the graphic equalizer.

Location and Function of Controls



The function of the following buttons change depending on what you are listening to. The table below shows each function.

When you are listening to	a DAT tape	a disc	the radio
15	INTRO button ●●	—	Preset number buttons ●●
16	REPEAT button ●●	—	
17	SKIP button ●	—	
18	—	D.SCAN (disc scan) button ●	
19	—	SHUFF 1 (shuffle 1) button ●	MANU (manual tuning) button ●●
20	—	SHUFF 2 (shuffle 2) button ●	
21	FF REW (fast forward/rewind) button ●	DISC (disc change/manual search) button ●●	SEEK (automatic tuning) button ●●
22	SEEK/TRACK (AMS) button ●●	—	—

Note
When you press the OFF button or when you keep the ignition key set to the OFF position for more than eight seconds, the following functions lose their program settings:
Mute function
Intro Play
Repeat Play
Disc Scan
The skip function is retained until you press the button again.

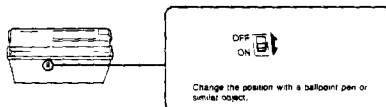
To mute the beep sound
Press **+** while pressing SELECT. To obtain the beep sound again, press these buttons again.

Changing the Illumination

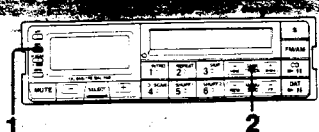
Press **+** while pressing the SELECT button. You can choose from amber and green. To change the color back, press these buttons again.

If your car ignition key does not have the accessory position

The illumination on the front panel is factory-set to stay on even when you are not playing the unit. However, this setting may cause the car battery to run down when the unit is used in a car which has no accessory position of the ignition key. To avoid this when using the unit in such a car, set the selector located on the bottom to OFF, then press the reset button. You can make the illumination go off when not playing the unit.



Setting the Clock



Example: Setting the time to 3:58

- Press and hold **CLOCK** until you finish setting the hour and the minute. (Display)

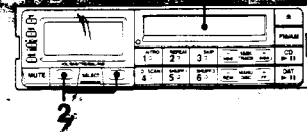
The time indicator flashes.
- Press **HOUR** to set the hour. (Display)

Press **MINUTE** to set the minute. (Display)
- Release **CLOCK**. The clock starts operating immediately. (Display)

The indicator stops flashing.

Note
If you are using this player with the power select switch off, you can set the clock only when the power is on. Turn the player on before you follow the steps above.

DAT Tape Playback



- Insert a DAT cassette. Playback starts automatically. When a cassette is already in the DAT player, press **DAT**.
- Press **VOLUME**. Adjust the volume by pressing **+** or **-**.

Other Operations

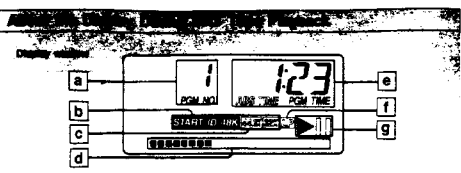
To rewind or fast forward the tape	Press REW (rewind) or FF (fast forward)	To stop the DAT tape and listen to the radio	Press FM/AM
To pause during play	Press DAT PAUSE . Press again to release the pause mode.	To stop the DAT tape and listen to a disc	Press CD
To take out the cassette	Press EJECT	To play back the DAT tape again	Press DAT PAUSE
		To turn off the unit	Press OFF

Note. When you press the FF/REW button for more than 0.5 seconds, it functions as manual search, but the sound is not heard.

Notes
 • When playback ends, the tape automatically rewinds to the beginning.
 If an End ID* is recorded on the tape, the tape automatically rewinds from that point during playback.
 • End ID indicates the end of the recorded portion on the DAT tape.

• About 8 minutes after stopping playback, the DAT cassette selects automatically for the protection of the tape.

DAT Tape Playback



- a PGM NO. (program number) Indicates the order of the selections in the cassette.
- b START ID Indicates the beginning of a selection. Appears when Start ID is detected.
- c Sampling frequency Indicates the sampling frequency with which the material was recorded: 48 KHz, 44.1 KHz, or 32 KHz.
- d Indicates the volume level or the direction of the tape during AMS, rewind or fast forward.
- e PGM TIME (program time) Indicates the elapsed time from the beginning of the selection.
- e or ABS TIME (absolute time) Indicates the elapsed time from the beginning of the cassette.
- f LP (long play) Lights when the tape has been recorded in the long play mode.
- g Indicates the status of tape operation.
▶ Lights during playback.
|| Lights in the pause mode.

Changing the Display During DAT Playback

Press **DISP**. Each time you press it, the display changes as follows.

* Absolute time does not appear in the display if absolute time has not been recorded on the DAT tape.

PGM (program) time _____
 ABS (absolute) time* _____
 Current time _____

Locating the Beginning of a Selection During Playback (AMS Function)

Note
The AMS function works only with DAT tapes with Start ID.

You can skip up to 99 selections.

Press **AMS** repeatedly.

To locate a selection ahead Press **AMS**

To locate a previous selection Press **AMS**

The display window shows the number of selections to be skipped.

Example 1: To listen to the third selection ahead

Press **AMS** 3 times.

AMS activates

Playback starts

Current selection | 1st selection | 2nd selection | 3rd selection

Example 2: To listen to the eighth selection behind

Press **AMS** 9 times.

Playback starts

AMS activates

8 selections before | 1 selection before | Current selection

Note
• Since the AMS function works by detecting the Start ID* recorded on the DAT tape, it does not work with DAT tapes without start ID*.

* Start ID is one of the sub codes written separately from audio signals on DAT tapes. Start ID is written at the beginning of a selection and is used to locate each selection. For more information see page 25.

DAT Tape Playback

Press **2** during playback. "REP 1" appears in the display window. At the end of the current selection, the tape rewinds to the beginning of that selection. To exit the mode, press this button again.

Listening to the First Portion of Each Selection (Intro Play)

Press **1** during playback. "INTRO" appears in the display window. The first ten seconds of each selection plays in order. To exit the mode, press this button again or press **2**.

Skipping a Portion Marked with Skip ID (Skip Play)

Press **3** during playback. "SKIP" appears in the display window. At the point where Skip ID is recorded, the player skips to the next Start ID and starts playback. To exit the mode, press this button again.

Notes

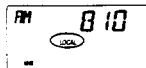
- Intro Play and Repeat Play do not function if Start ID has not been recorded on the DAT tape.
- Skip Play does not function if Skip ID has not been recorded on the DAT tape.
- For more information about sub codes, see page 25.

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Automatic Tuning

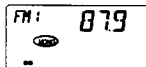
When the radio is in automatic tuning mode, the display stops frequently during automatic tuning.

Press **SENS**. Only the stations with relatively strong signals can be tuned in.



When the FM stereo program is weak and distorted

Press **SENS**. The sound goes to monaural and the distortion decreases.



Note on SENS display
Each time you press SENS, the display changes as follows:

(in AM mode)

Normal

LOCAL

(in FM mode)

Normal (STEREO)

LOCAL

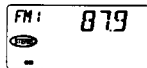
MONO

To display the current time while listening to the radio

Press DSP/L.

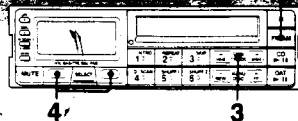
Press DSP/L again to display the frequency indication.

When you tune in an FM stereo program of sufficient signal strength
The program is automatically received in stereo.



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Manual Tuning



- Press **FM/AM**. The power goes on.
- Press **FM/AM**. Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows: FM1 - FM2 - FM3 - AM.
- Press **SEARCH**. Select the desired station. Press **SEARCH** for lower frequencies and **SEARCH** for higher frequencies. The scanning automatically stops when a station is tuned in. Repeat this step until you tune in the desired station.
- Press **VOL**. Adjust the volume by pressing **VOL** or **VOL**.

Other Operations

To stop the radio and start DAT tape playback:

(When no DAT cassette is in the DAT player)



(When a DAT cassette is already in the DAT player).

Press **CD**.

To stop the radio and listen to a disc:

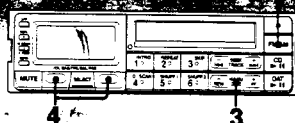
Press **CD**.

To turn off the unit:

Press **OFF**.

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Manual Tuning



- Press **FM/AM**. The power goes on.
- Press **FM/AM**. Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows: FM1 - FM2 - FM3 - AM.
- Press **SEARCH**. Select the desired station. Press **SEARCH** for lower frequencies and **SEARCH** for higher frequencies. To change the frequency rapidly, keep the button depressed.
- Press **VOL**. Adjust the volume by pressing **VOL** or **VOL**.

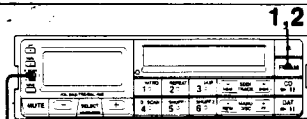
For your safety while driving
Keep your eyes on the road and use the automatic tuning or the memory preset tuning.

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Memory Preset Tuning

You can memorize a total of 24 stations (6 stations for each band), one on each preset number.

Receiving a Preset Station (Automatic Memory)



- 1** Press **FM/AM** The power goes on.
- 2** Press **FM/AM** Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows: FM1—FM2—FM3—AM
- 3** Keep **M SCAN** depressed for more than two seconds. The unit starts scanning the selected band and memorizes the tuned stations on the preset number button 1 through 6 automatically.

Press **M SCAN** lightly.
A MEM

Each memorized station scans for five seconds in order. (When the signal of the memorized station is too weak, it cannot be received.)

In what way are stations scanned and memorized?

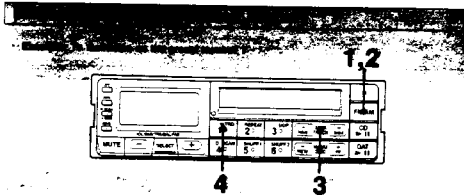
The unit scans the selected band twice. The scanning starts from the displayed frequency. During first cycle, the unit scans stations with considerably strong signals. During the next cycle, the unit scans all stations that can be received, including weak ones. And for memorizing, if any preset number is

indicated in the display window, memorizing starts from this preset number. When you choose FM2 and the preset number 3 is displayed in the window, for example, memorizing starts from the preset number 3 on FM2, and stops at the preset number 6 on FM3.

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Memory Preset Tuning



- 1** Press **FM/AM** The power goes on.
- 2** Press **FM/AM** Select the desired band, FM1, FM2, FM3, or AM. Each time you press it, the display changes as follows: FM1—FM2—FM3—AM
- 3** Press **M SCAN** or **A MEM** Tune in a desired station.
- 4** Keep **M/TUNE** depressed for more than two seconds. **FM: 1 800**
The number of the pressed preset number displays.

Receiving a Preset Station

Press **FM/AM** to select the desired band.



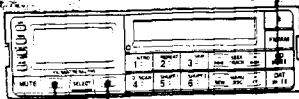
Press **M/TUNE** or **S/TUNE** lightly to receive the desired station.

Important
Every preset number button can memorize only one station per band. The previously memorized station is erased when you enter a new station of the same band on the same preset number button.

Note
The frequency range of FM1, FM2, and FM3 is the same. You can set 6 stations on each band, a total of 18 FM stations and 6 AM stations.

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- 1 Press The disc starts playing.
- 2 Press Adjust the volume by pressing or .

Other Operations

- To listen to another disc in the disc magazine** Press lightly. Note: If you press it for more than 0.5 seconds, it functions as the manual search.
- To pause during play** Press Press again to release the pause mode.

To display the elapsed time or the current time while playing a disc Press DSPC.

Each time you press it, the display changes as follows:

Normal indication

Elapsed time of the selection

Current time

- To stop disc play and start DAT playback** (When no DAT cassette is in the DAT player) (insert a DAT cassette)
- (When a DAT cassette is already in the DAT player) Press
- To stop disc play and listen to the radio** Press
- To turn off the unit** Press

Locating the Beginning of a Desired Selection while Playing a Disc (AMS Function)

- To locate the beginning of the selection being played** Press
- To locate a previous selection** Keep depressed. Release the button at the desired selection.
- To locate the next selection** Press
- To locate a selection ahead** Keep depressed. Release the button at the desired selection.

When you locate the first selection of the last selection of the disc, play begins from that selection.

Disc Playing

- Finding a Particular Point in a Selection (Manual Search)**
- To go ahead at high speed** Keep depressed. Release the button at the desired point.
- To go back at high speed** Keep depressed. Release the button at the desired point.

The elapsed time of the selection is displayed during the manual search.

Various Plays

- To listen to the beginning of the selections in order (Intro play)*** Press The first ten seconds of each selection on every disc plays in sequence.
- To repeat the selection being played (Repeat play)** Press The unit goes back to the beginning of the selection when the selection ends.
- To find the desired disc (Disc scan)** Press The first ten seconds of the first selection on each disc plays in sequence.
- To play the selections on the disc in random order (Shuffle play 1)*** Press All selections on the disc being played plays in random order. After playing all selections on the disc, the unit goes to the next disc.
- To play the selections on all discs in random order (Shuffle play 2)*** Press All selections on all discs in the disc magazine plays in random order.

To resume normal playback Press each of the above buttons again.

* When you press the INTRO button during Shuffle Play (1 or 2), the first ten seconds of all selections play in random order.

Maintenance

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

Warning
Use the specified ampere fuse. Use of a higher ampere fuse may cause serious damage.

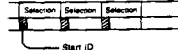
Prolonged use of the player may contaminate the tape head. Contamination causes sound drop-outs during playback. To maintain the best playback sound, clean the tape head once a month using a Sony cleaning cassette (DT-10CL, not supplied.)

About the Sub Codes

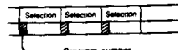
In addition to the ordinary audio signal, various control codes called sub codes can be recorded on the DAT cassette tapes to ease recording and reproducing operation. A desired selection can be called up or time information can be displayed using the sub codes, for example:

The sub codes are: start ID, program number, skip ID, and ID, program time and absolute time.

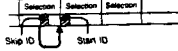
Start ID
This signal indicates the start of a music selection. You can locate the position of the start ID precisely.



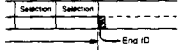
Program number
This signal gives a number to a selection. You can record it where the start ID is written.



Skip ID
This signal can be marked on the selection whenever you wish. During Disc Play, the track will skip at high speed from where the skip ID is marked to the next start ID, and then playback will start again.



End ID
This signal indicates the end position of a recording. Record end ID at the beginning of the portion you don't want to be played. When the end ID is detected during playback, the tape stops automatically.



Absolute time
The absolute time indicates the position of the tape, giving the time elapsed from the beginning. The absolute time is recorded automatically at the same time the audio signal is recorded; it cannot be re-recorded. The absolute time allows you to confirm the selected time from the beginning of the tape.

Program time
This is the time elapsed for a selection.

When using the sub codes

Things that can be done	Required sub code
Locating a selection (AMS function)	Start ID
Listening to the first portion of selections sequentially (Intro Scan)	Start ID
Skipping the portion not desired (Skip Play)	Skip ID; Start ID

Troubleshooting Guide

The following check will help you correct most problems that you may encounter with your unit. Before going through the check list below, first refer back to the connection and operating procedures.

General

Trouble	Cause/Remedy
No sound	<ul style="list-style-type: none"> Control the volume with the \llcorner button. Set the fader control to the center position on the 2-speaker system.

DAT operation

The DAT cassette cannot be inserted.	<ul style="list-style-type: none"> The cassette has been inserted incorrectly. A DAT cassette is already inserted.
AMS, intro play, or repeat play does not function.	Start ID has not been recorded on the DAT tape.
Skip play does not function.	Skip ID or Start ID has not been recorded on the tape.
The sound skips.	<ul style="list-style-type: none"> The tape head is dirty. — Clean the head using Sony cleaning cassette (DT-10CL, not supplied.)

Radio reception

Preset tuning does not function.	<ul style="list-style-type: none"> Memorize the correct frequency. The broadcast is weak. — Use manual tuning.
Automatic tuning does not function.	<ul style="list-style-type: none"> The broadcast is weak. — Use manual tuning.
The STEREO indicator flashes off and on.	<ul style="list-style-type: none"> Tune in precisely. The broadcast is weak. — Press the SENS button.

Disc Play

No sound	<ul style="list-style-type: none"> The unit is in the pause mode.
The sound skips	<ul style="list-style-type: none"> The disc is dusty or defective.

The following indicators flash off and on for about five seconds and an alarm sounds

During DAT playback

Display	Cause	Remedy
E-77	The temperature of the DAT player is too low and the protection circuit has been activated.	Wait until the unit warm up.
E-78	Moisture has condensed and dew has collected on the rotary head.	Wait until the unit dries.
E-88	The DAT tape does not operate for some reason.	Remove the DAT cassette and insert another one.
E-99	The DAT cassette cannot be taken out of the compartment.	Press the reset button of the DTX-10.

When a Sony CD changer (not supplied) is connected

Display	Cause	Remedy
E-01	The disc magazine has not been inserted in the CD changer.	Insert the disc magazine with discs into the CD changer.
E-02	No discs are in the disc magazine.	Take out the magazine and insert the discs.
E-04	The disc is dirty.	Clean the disc.
E-04	The disc has been inserted upside down.	Insert the disc correctly.
E-77	The temperature of the CD changer is too high and the protection circuit has been activated.	Wait until the unit cools off.
E-99	The CD changer cannot be operated because of some trouble.	Press the reset button of the DTX-10.

Specifications

Digital audio tape section

Head	Rotary head
Playback	<ul style="list-style-type: none"> 120 minutes (Standard Play) 240 minutes (Long Play) with DT+20
Tape speed	<ul style="list-style-type: none"> 3.15 mm/s (Standard Play) 4.075 mm/s (Long Play)
Error correction	Double Reed Solomon code
Sampling frequency	48 kHz, 44.1 kHz, 32 kHz
D/A conversion	Standard
	16-bit linear
	Long play mode:
	12-bit non-linear
Wow and flutter	Below measurable limit
Frequency response	5-22,000 Hz
Signal-to-noise ratio	More than 90 dB
Total harmonic distortion	0.01%
Operating temperature	0-50°C (32-122°F)

Tuning section

FM	87.9-107.9 kHz
Tuning range	10.7 kHz
Intermediate frequency	External antenna connector
Antenna terminal	12 dB (75 ohms)
Usable sensitivity	75 dB at 400 kHz
Selectivity	85 dB (stereo), 70 dB (mono)
Signal-to-noise ratio	0.5% (stereo), 0.3% (mono)
Harmonic distortion at 1 kHz	35 dB at 1 kHz
Separation	30-15,000 Hz
Frequency response	2 dB
Capture ratio	
AM	
Tuning range	530-1,710 kHz
Intermediate frequency	450 kHz
Antenna terminal	External antenna connector
Sensitivity	35 μ V

General

Power requirements	12 V DC car battery (negative ground)
Output load	Power antenna relay control lead
Tone controls	Bass \pm 10 dB at 100 Hz
	Treble \pm 10 dB at 10 kHz
Dimensions	Approx. 178 x 50 x 153 mm
	(7" x 2" x 6" inches) (w/ 7" d not incl. protecting parts and controls)
Weight	Approx. 1.3 kg (2 lb 14 oz)
Supplied accessories	Mounting hardware (1 set)
	Installation/connections manual
Optional accessories	Connecting cord RK-C77
	(1 m, phono plugs to phono plugs)
	Cleaning cassette DT-10CL
	Design and specifications subject to change without notice