

JCDR-10RU
MP3/USB/CD/AM/FM/RDS RECEIVER



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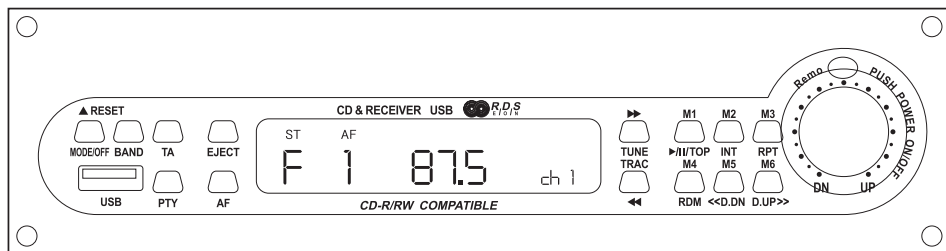
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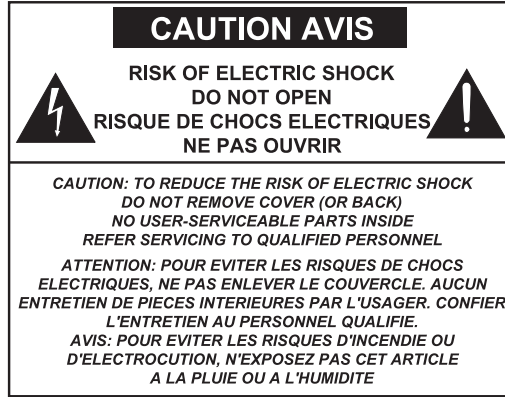


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The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure, that may be of sufficient magnitude to constitute a risk of electric shock to persons.
Le symbole éclair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.

CAUTION: THIS UNIT IS ONLY FOR AUDIO COMPACT DISK

◆ **FEATURES**
RECEIVER SETION

- DIGITAL ELECTRONIC TUNER
- RDS(Radio Data System) FUNCTION
- MANUAL, SEEK UP/DOWN TUNING
- 24 STATION PRESET MEMORY (FM:18, AM:6 STATIONS)
- AF, CT,PI,PS, PTY FUNCTION

◆ **CD SETION**

- MP3 CD PLAY FUNCTION
- PLAY/PAUSE FUNCTION
- INTRO SCAN PLAY
- REPEAT PLAY
- RANDOM PLAY
- CUE/REVIEW FUNCTION
- IR REMOTE CONTROL FUNCTION(option)
- USB PORTABLE MEMORY AVAILABLE

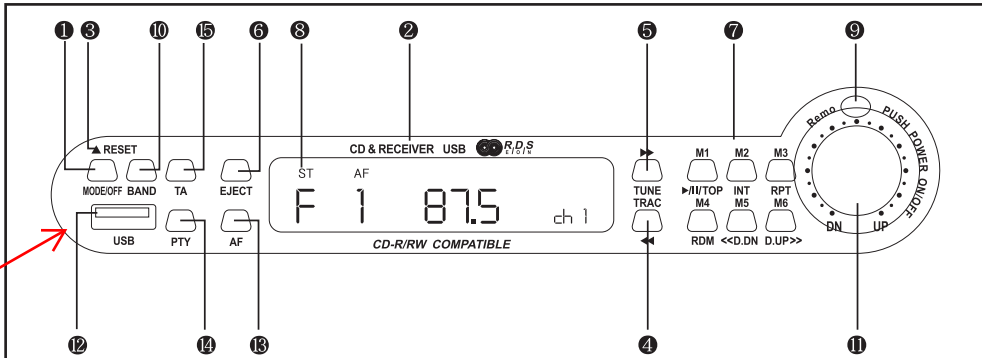
◆ **특징**
RECEIVER SETION

- 전자식 디지털 튜너
- RDS 시스템 수신기
- 수동식, 자동식 선국 방식
- 24개 메모리 설정 기능 (FM:18, AM:6)
- AF, CT,PI,PS, PTY 기능

◆ **CD SETION**

- MP3 CD 플레이 기능
- 재생/일시정지 기능
- 곡 자동탐색
- 반복 연주
- 무순서 연주
- 곡 이동기능
- 리모트 콘트롤 기능(선택사양)
- **USB** 메모리 사용가능(MP3파일)

FRONT PANEL CONTROL (전면 기능)



1. MODE

• MODE BUTTON

Whenever press this button, Mode is converted from CD to Radio and from Radio to CD.
(If Disc is not inserted, not be converted to CD mode.)

2. DISC SLOT

When insert CD into Disc Slot, Disc is loaded automatically and show LOAD → PLAY → DISC information (Total Track and Total Time) on the LCD, and start PLAY.

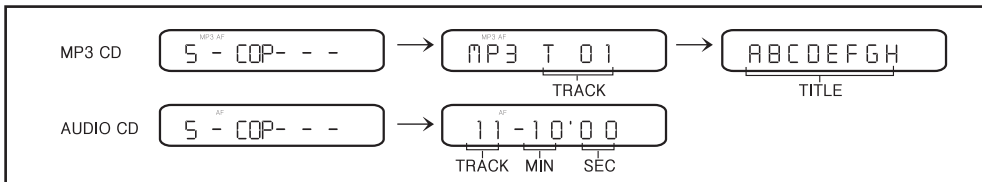
1. MODE

• MODE BUTTON

이 버튼을 누르면 누를 때마다 CD MODE에서 RADIO, RADIO MODE에서 CD MODE로 전환됩니다.
(만약 DISK 삽입할 때 DISK가 들어있지 않은 상태에서는 CD MODE로 전환되지 않습니다.)

2. DISC SLOT

COMPACT DISC의 LABEL 인쇄면을 위쪽 방향으로 하고 DISC SLOT에 삽입하면 자동적으로 디스크가 INSERT되고 PLAY를 시작하면서 LCD상에 CD (MP3 CD, AUDIO CD)에 따라 아래와 같이 DISC 정보를 표시합니다.



3. RST (RESET SWITCH)

When press this switch, unit statu is initialized

3. RST (RESET SWITCH)

이 스위치를 누르면 유니트의 상태가 초기화 됩니다.

4. TUNE/TRACK >>> BUTTON

In Radio mode

If press this button long time, frequency is moved to the high direction during pressing it (manual up) and if press this button shortly (less than 0.5 SEC), stop on next frequency of high direction automatically (Seek Up)

In Disc mode

If press this button shortly (0.5 SEC), disc is moved to the next music and if press this button long time, disc is moved to the last part of playing music during pressing it.

4. TUNE/TRACK >>> BUTTON

RADIO 사용시

이 버튼을 길게 누르고 있으면 누르고 있는 동안 높은 쪽으로 주파수가 이동하고 (manual up), 짧게 (0.5SEC이하) 누르면 높은 쪽으로 다음 방송이 있는 주파수에서 자동으로 정지한다. (SEEK UP)

Disc 사용시

이 버튼을 짧게 (0.5초) 누르면 다음 곡으로 이동하고 길게 누르고 있으면 누르고 있는 동안 현재 곡의 뒤쪽으로 이동합니다.

FRONT PANNEL CONTROL (전면 기능)

5. TUNE/TRACK ⏪ BUTTON

In Radio mode

If press this button long time, frequency is moved to the low direction during pressing it (manual down) and if press this button shortly (less than 0.5 SEC), stop on next frequency of low direction automatically (Seek Down)

In Disc mode

If press this button shortly (0.5 SEC), disc is moved to the next music and if press this button long time, disc is moved to the beginning part of playing music during pressing it.

6. EJECT BUTTON

When you push "EJECT" button, Compact disc is ejected and changed to RADIO mode automatically (in eject mode, if you do not take out the DISC, after 10sec, DISC is automatically inserted into the unit)

7. BUTTON NO. 1~6

In Radio mode

This is PRESET button to select pre-memorized broadcasting channel on each button. You can memory broadcasting channel which you want to listen, on each button (1~6) Totally 24channels (FM1: 6Ch, FM2: 6Ch, FM3: 6Ch, MW1: 6Ch) can be memorized.

※ How to memory: use ⏪ ⏩ button to select broadcasting channels and push one button from 1~6, for a long time (more than 1sec) to memory selected broadcasting channel. You can memory other broadcasting channels on the rest 5 buttons in the same way.

※ After finish the memory, you can listen the broadcasting of memorized channel by pressing the "PRESET" button shortly (less than 1sec)

In Disc mode

1/PL,PS(PLAY,PAUSE)BUTTON

During the music playing, if press this button, it turns to PAUSE mode and if pres this button again, it turns to PLAY mode again,

2/INT(INTRO SCAN)BUTTON

During the music playing, whenever press this button, SCAN mode is ON and OFF. And when SCAN mode On, each music is playing for 10 seconds.

3/RPT(REPEAT)BUTTON

If press this button, "S-RPT" is displayed on the LCD and the playing music is repeated. Aan if press this button again, "S-RPT" is Off on the LCD and Repeat function is stopped.

4/RDM(RANDOM)BUTTON

If press this button, "S-RDM" is displayed on the LCD and it turns to Random Play mode. And if press this button again, "S-RDM" IS Off on the LCD and it turns to NORMAL Play mode

5/D,DN BUTTON(MP3 Only)

Pressing this button, 10 musics are skipped down wards

6/D,UP BUTTON(MP3 Only)

Pressing this button, 10 musics are skipped up wards

5. TUNE/TRACK ⏪ BUTTON

RADIO 사용시

이 버튼을 길게 누르고 있으면 누르고 있는 동안 낮은 쪽으로 주파수가 이동하고 (manual up), 짧게 (0.5SEC이하) 누르면 낮은 쪽으로 다음 방송이 있는 주파수에서 자동으로 정지한다. (SEEK DOWN)

In Disc mode

이 버튼을 짧게 (0.5초) 누르면 이전 곡으로 이동하고 길게 누르고 있으면 누르고 있는 동안 현재 곡의 앞쪽으로 이동합니다.

6. EJECT BUTTON

이 버튼을 누르면 Compact Disc가 EJECT되고 RADIO MODE로 자동으로 전환된다.

7. BUTTON NO. 1~6

Radio 사용시

1~6버튼은 PRESET버튼으로 기억된 1~6번 버튼의 방송국을 수신할 때 사용하며 사용자가 희망하는 방송국을 원하는 번호 (1~6번중)중에 MEMORY시켜 사용하며 (FM1: 6국, FM2: 6국, FM3: 6국, MW1: 6국)총 24방송국을 MEMORY시켜 사용할 수 있다.

※ MEMORY방법: ⏪ ⏩ 키로 희망하음 방송국 주파수를 선택한다. 선택된 방송수신 상태에서 PRESET버튼 1~6번중 1개의 버튼을 길게 (1SEC이상)누르면 MEMORY된다. 나머지 버튼 5개에도 같은 방법으로 MEMORY한다. MEMORY가 끝난 다음 PRESET버튼을 짧게 (1SEC이하) 누르면 MEMORY된 방송을 수신할 수 있다.

Disc사용시

1/PL,PS(PLAY,PAUSE)BUTTON

PLAY중에 이 버튼을 누르면 일시정지 (PAUSE)상태로 되고 다시 한번 누르면 재생(PLAY)상태로 됩니다.

2/INT(INTRO SCAN)BUTTON

PLAY중에 이 버튼을 누를 때마다 SCAN MODE가 ON, OFF되고 ON("SCAN")시 각 곡의 처음 10초씩 연주된다.

3/RPT(REPEAT)BUTTON

이 버튼을 누르면 LCD상에 "S-RPT"가 표시가 되고 REPEAT PLAY 상태로 된다. 다시 한번 이 버튼을 누르면 "S-RPT" 표시가 OFF되고 REPEAT기능은 해제된다.

4/RDM(RANDOM)BUTTON

이 버튼을 누르면 LCD상에 "S-RDM" 표시가 되고 RANDOM PLAY 상태로 된다. 다시 한번 이 버튼을 누르면 "S-RDM" 표시가 OFF되고 NORMAL PLAY상태로 된다.

5/D,DN BUTTON(MP3 Only)

이 버튼을 누르면 10곡씩 DOWN동작

6/D,UP BUTTON(MP3 Only)

이 버튼을 누르면 10곡씩 UP동작

F FRONT PANNEL CONTROL (전면 기능)

8. ST

"ST" indicates the STEREO broadcasting.(AUTO STEREO)

8. ST

"ST" 는 STEREO방송중 표시입니다.(AUTO STEREO)

9. R(Remote Control Receiver)(OPTION)

This is reception sensor for Remote controller

9. R(Remote Control Receiver)

리모콘 수신센서입니다. (선택사양)

10. BAND BUTTON

Whenever press this button, Radio bands are converted by order of FM1 -> FM2 -> FM3 -> MW

10. BAND BUTTON

이 버튼을 누를때마다 FM1 -> FM2 -> FM3 -> MW 순서로 RADIO BAND를 전환한다.

11. POWER OFF

• OFF

Pressing the button more than 1.5second,
The power goes off

11. POWER OFF

• OFF

1.5초 이상 길게 누르면 Power Off 동작

12. Connector with USB portable memory

It will be automatically played when the MP3 file is stored in USB portable memory.

※Be sure that only MP3 file is available to play.

12. USB 이동식 메모리를 연결하는 커넥터

USB 메모리에 MP3파일이 저장되어 있을 경우 자동 PLAY됩니다.

※MP3 파일만 재생이 가능합니다.

13. AF-Function (network following)

This unit retunes to the stronger alternative transmitter in the list of alternative frequencies (AF). Thus a motorist can keep listening to the same program. To make AF-reception possible depress the button (16). The display shows the indication AF. If you leave a reception area and there is no alternative AF-frequency, the AF indication flashes in the display. When the radio switches over to an alternative frequency it will go quiet for a moment, because it first has to check out the accuracy of the PI data for the new frequency. If muting disturbs turn off the AF-function, push the vutton (16) to stop the AF-function.

14. PTY-Programme type recognition

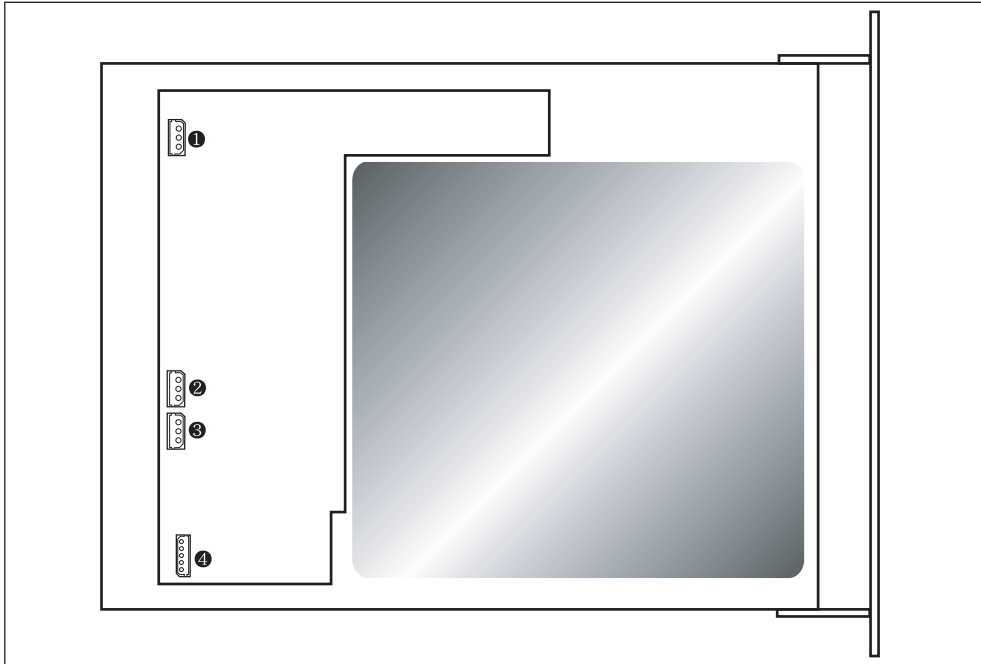
By selecting the PTY function you can get stations with the feature you want. The radio will then only seek those stations with the features you have preselected. Selecting the PTY function by depressing the button (14) and one of the buttons (8-13) the seek mode starts looking for a station with the sort of music or commentary you want. The display shows the indication PTY. If there is no station of that type avaiable at that time, the radio then switches automatically to the last station you selected. The display PTY NONE flashes in the display.

15. TA-traffic announcement/TP-traffic identification/PI-seek

Depressing key(15) the TA-function is activated. The indication TA then appears in the display. As soon as this station is reached, TP appears in the display. During traffic announcement CD function or radio function stops. You hear traffic announcement also in cassette mode or the volume is decreased, if the TA-function is activated. Depresing key (2) first for approx. two seconds, the display shows the indication TA SEEK or TA ALARM. Now you can set your controls by turning the vutton(2) in whatever direction you wish. If the indication TA SEEK is activated you automatically activate a search for a station which broadcasts traffic information. If reception is poor, PI-automatic seek starts automatically. If the indication TA ALARM is activated and RDS traffic information service is not available or if reception is poor, TP disappears from the display and an alarm sounds.

F FRONT PANNEL CONTROL (전면 기능)

EXTERNAL CONTROL (외부컨트롤 콘넥터 사용방법)



1. CON1

CN07 is for power input and audio output.
Connect to AN07 on the PCB of JPA-1120A, 1240A.

2. AUDIO OUTPUT CONNECT OR BALANCED

This is output connector balanced.
Audio input level is 0dB

3. STEREO AUDIO OUTPUT CONNECTOR

This is audio L, R output connector.
Audio input level is 0dB.

4. ANTENNA INPUT CONNECTOR (JCDR-10RU ONLY)

This accessory of antenna terminal and connect it.

1. CON1 콘넥터

전원 입력과 오디오 출력 콘넥터입니다.
JPA-1120A, 1240A의 전면 PCB상의 CON1과 연결하십시오

2. 바런스 오디오 출력콘넥터

바런스 오디오 출력 콘넥터입니다.
오디오 레벨은 0dB입니다.

3. 스테레오 오디오 출력콘넥터

스테레오 L,R 오디오 출력 콘넥터입니다.
오디오 레벨은 0dB입니다.

4. 안테나 입력콘넥터 (JCDR-10RU ONLY)

안테나단자 약세사리를 후면판넬에 부착 후 연결하십시오.

SPECIFICATIONS (규격 및 성능)

■ RECEIVER SECTION

Tuning range	FM : 87.5 ~ 108MHZ AM : 522 ~ 1620KHZ
Usable Sensitivity	FM : 6dBuV AM : 25dBuV
ANT, Impedance	FM : 300Ω BAL, 75Ω BAL AM : HIGH IMP LEAD ANT
Signal to Noise Ratio	FM : MORE THEN 60dB AM : MORE THEN 50dB
Seek Stop Sens	FM : 25dB(± 5dB) AM : 30dB(± 5dB)
T.H.D	FM : LESS THAN 0.5% AM : LESS THAN 0.5%

■ CD SECTION

Digital Filter	8TIMES OVER SAMPLING
T.H.D	LESS THAN 0.03%
Signal to Noise Ratio	MORE THAN 78dB
Frequency Response	10Hz~20KHz(± 1dB)
WOW/Flutter	BELOW MEASURABLE LIMITS
Loading Time	6 Sec

■ GENERAL

Dimension(mm)	195(W) x 40(H) x 215(D)
Weight(Kg)	1,167Kg

■ NOTE

Specifications and design subject to change without notice for improvement.
(내용상의 규격 및 특징은 제품의 성능 향상을 위하여 사전 예고 없이 변경될 수 있습니다.)

BLOCK DIAGRAM(블럭도)

