Freiburg RCM 148
Siena RCM 148
Louisiana RCM 148
Kingston DJ
St. Louis DJ

Operating instructions
Display

The display consists of three fields and changes according to the operating mode and function.

Display field 1:
- **Radio mode**
- Memory banks and wavebands
- Brief indication of preset station (e.g. P1)

Cassette mode
- CAS - cassette inserted

Changer mode
- Current track

Audio
- Numeric and graphic representation of the volume and audio settings.

DSC
- Permanent display for DSC programming.
- Graphic representation of the adjusted volume level.

Display field 2:
- **Radio mode**
- Radio frequency or station name
- PTY programme type

Cassette mode
- TAPE1/TAPE2 - side of tape being played.
- Displays active function.

Changer mode
- CD number being played by changer.
- CD time (elapsed time)
- Brief indication of functional changes

DSC
- Serves as display and entry field during DSC programming.
- Clock display

Miscellaneous
- Indicates new source (e.g. when changing from radio to cassette)

Display field 3:
- Displays active functions.
  - Stereo
  - Cassette inserted
  - CD changer connected
  - LD - Loudness

Radio mode
- AF - RDS alternative frequency
- PTY - RDS programme type
- TA - Priority for traffic information
- TP - Traffic programme station
- Io - Seek tuning sensitivity

CD changer mode
- RPT - Repeat function
- MIX - Titles played at random
Contents

Display .......................................... 23
Quick reference ............................ 25
Important notes ............................ 28
What you need to know .................... 28
Traffic safety ..................................... 28
Installation ............................................. 28
Warning note ........................................ 28
Clock ............................................. 29
Setting the clock ................................... 29
Release panel ....................................... 29
Theft protection ..................................... 29
Fixing the release panel ....................... 30
Selecting the audio mode ........... 30
Radio operation with RDS ........... 31
AF - Alternative frequency .............. 31
REG - regional programme .......... 31
Selecting a waveband ......................... 31
Station tuning ..................................... 31
Automatic seek tuning A/V ............... 31
Manual tuning with << >> ................. 32
Scrolling through the broadcasting networks (FM only) .................. 32
Switching between the memory banks (FM) .................. 32
Storing stations .................. 32

Automatically storing the strongest stations with Travelstore .................. 32
Recalling stored stations ..................... 33
Scanning stations with Radio Scan .................. 33
Changing the scan time ..................... 33
Selecting the automatic tuning sensitivity .................. 33
PTY - Programme Type ......................... 33
Programme types .................. 33
Switching PTY ON/OFF ..................... 34
Checking the programme type of the station .................. 34
Displaying the selected programme type .................. 34
Selecting a programme type .................. 34
Storing programme types .................. 35
Scanning stations with PTY SCAN .................. 35
PTY priority .................. 35

Traffic programme station reception with RDS-EON .................. 36
Traffic announcement priority on/off .................. 36
Warning beep .......................... 36
Switching the warning beep off .................. 36
Automatic seek tuning start
(Cassette and CD changer operation) .................. 36
Adjusting the volume for traffic announcements and the warning beep .................. 37

Cassette deck operation ............. 37
Cassette playback .................. 37
Cassette eject .......................... 37
Fast winding .................. 37
Reversing the tape .................. 37
Traffic information during cassette playback .................. 37

CD changer operation ............. 38
Switching to the CD changer mode .................. 38
Inserting a CD .................. 38
Ejecting a CD .................. 38
CD playback .................. 38
Selecting a CD .................. 38
Selecting a title .................. 39
SCAN .................. 39
RPT .................. 39
MIX .................. 39

DSC programming .................. 40
Overview of the DSC factory settings .................. 41

Appendix .................. 42
Specifications .................. 42
Quick reference

1. REL
   To release the detachable panel (theft protection).
   Press this knob and remove the release panel.

2. ON - Power up/down
   Press this button to turn the equipment on. It will play at the preset volume. If you press this button briefly during radio reception, the volume will turn down instantly (MUTE).
   This function is cancelled by pressing the ON button again. You can programme the mute volume (refer to “DSC programming”).
   Press the button for about 2 seconds to turn the unit off.

Switching on/off via the ignition:
If the set has been connected correspondingly, it can also be turned on and off with the vehicle ignition.
Press the ON button to keep on operating the set when the ignition is switched off.
The set will switch on. To avoid that the battery goes flat, the system will be turned off automatically after one hour of playback.

3. Volume knob
   Turn the knob to set the volume.

4. Eject
   Press this button to eject the cassette.

5. Cassette slot
   Insert the tape into the slot with the open side showing to the right. The tape will be played in the direction previously selected.

6. Display
   Displays all settings, operating modes and functions.

7. FR Fast Rewind
   To fast rewind the tape.

8. FF Fast Forward
   To fast forward the tape.

9. Rocker switch

   Radio mode
   \( \wedge / \vee \) Seek tuning
   \( \wedge \) Up
   \( \vee \) Down
   \( \langle / \rangle \) Up/down in short intervals (on FM only if “AF” is off)

For FM only:
\( \langle / \rangle \) Scrolling through the broadcasting networks, if AF is on. Example: NDR 1, 2, 4, N-Joy, FFN ...

Changer mode
Optional:
Freiburg RCM 148, Siena RCM 148, Louisiana RCM 148
Included:
Kingston DJ, St. Louis DJ

Select CD
\( \wedge \) Up
\( \vee \) Down
Select title

- **Up:** press briefly
  - CUE - fast forward (audible): hold button down.
- **Down:** press two or more times briefly
  - Repeat title: press briefly.
- **REVIEW** - fast reverse (audible): hold button down.

**Extra function of rocker switch:**

For additional settings use

- **AUD** (2)
- **DSC-MODE** (21)
- **PTY** (12)

**Requirement:** The respective function is activated.

**SRC/SC**

(SRC = audio source, SC = scan)

Press button briefly to select the operating mode (tuner, cassette, changer).

The active mode appears in the display.

Press **SRC/SC** longer to select the SCAN function (samples radio stations and titles).

Use DSC programming to set the scan time.

**Radio mode**

Press **SRC/SC** longer.

The radio will scan all receivable FM stations. “SCAN” and the station name appear on the display one after another.

**PTY Scan**

PTY Scan can be started if PTY is on (“PTY” will be displayed).

The radio will scan all stations broadcasting the selected programme type.

**Changer mode**

Press **SRC/SC** longer.

“SCAN” will be displayed.

To stop CD Scan: Press **SRC/SC** again.

**Press AF-TA:**

Briefly: TA off.

“TP” will be displayed when a traffic programme is played.

AF on/off:

Press **AF-TA** longer: a beep will be emitted; “AF” appears.

Press **AF-TA** longer: a beep will be emitted; “AF” disappears.

**PTY (Programme Type)**

You can select among various programme types. Using the rocker switch << >> it is possible to recall all PTY programme types, if PTY is activated (“PTY” lights up in the display).

**BA/TS**

Switches between the wavebands/memories banks FM1, FM2, FMT (Travelstore), MW and LW (Freiburg RCM 148, Kingston DJ without MW, LW).

**Extra function:** Travelstore

To store the six most powerful radio stations in the Travelstore bank:

Press **BA/TS** until a beep sounds and “T-STORE” appears.
Radio mode
You can store six stations in each memory bank (1, 2, and "T").
On MW and LW you can store six stations each (except for Freiburg RCM 148, Kingston DJ).

Store station - hold down a preset button in radio mode until a beep is emitted.
Recall station - select a waveband and also the memory bank on FM; press the relevant preset button briefly. The selected preset button will briefly appear in display field 1 (e.g. P1).

Changer mode

3/■ - Pause
Interrupts CD play. “PAUSE” appears. Press button again to restart CD play.

4/RPT
Repeat title: press 4/RPT. “REPEAT-T” appears briefly. The title will be repeated until 4/RPT is pressed again. Repeat CD: select “REPEAT-D”. Switch REPEAT-D on:
• Hold 4/RPT down until a beep is emitted.

5/MIX
“MIX CD” plays the titles of one CD in random order.
“MIX ALL” plays the titles of all CDs of one changer magazine in random order.
To turn MIX on/off:
Press 5/MIX briefly.
The current setting is briefly indicated in the display: “MIX-CD”.
Switch MIX-ALL on:
• Hold 5/MIX down until a beep is emitted.

DSC - clock display
Radio mode
Press this button briefly and the time will be displayed for a while.

Changer mode
Press this button to switch the display between CD number and CD time indication.

Cassette mode
Press this button to switch the display between the cassette direction and clock indication.

AUD Default settings for treble and bass
You can store different settings for the FM, MW, LW, cassette and CD mode (Freiburg RCM 148, Kingston DJ without MW, LW).

Setting the tone:
Select the audio mode. Press AUD once and set the tone using the rocker switch.
Treble:
Treble +
Treble -
Bass:
Bass -
Bass +
Press AUD twice and set the fader using the rocker switch.
Fader front
Fader rear
Balance left
Balance right
The selected values will appear in the display. The last setting is stored automatically.
Important notes

What you need to know
Before using your new car radio, please read through the following information carefully.

Traffic safety
As the driver of a motor vehicle, it is your responsibility to pay attention to the traffic situation at all times. Never use your car radio in a way that could distract you.

Please keep in mind that you travel a distance of 14 m per second at a speed of only 50 km/h.

Should the traffic situation become particularly demanding, we advise you not to use the radio.

Always make sure that you are still able to hear any warning signals coming from outside the vehicle, such as police or fire engine sirens, so that you can react accordingly.

Consequently, you should always select a moderate volume for playing your car radio while you are driving.

Installation
If you would like to install your new car stereo yourself or add other audio components to existing ones, then please read the enclosed instructions on installation and connection carefully.

In order to ensure that the set operates properly the positive power supply line must be connected via the ignition and the permanent +12 V lead.

Do not ground the loudspeaker outputs!

Switching AUD off
Press button briefly.
If you do not change the tone within 8 sec., the AUD mode will quit automatically.

Extra function: LD
Loudness boosts the bass frequency at low volume.
Press AUD longer than 2 seconds to change the Loudness setting. “LD” will appear.

Warning note

Danger of damaging the automatic power antenna in a car wash
Before you drive into a car wash
• switch the radio off by pressing the ON button.
  The power antenna will retract, if it doesn’t, press ON again.

Do not drive into the car wash unless the power antenna has retracted!
Clock

This car radio is equipped with a built-in clock.

Display priority:
To switch the display priority, press the button until you hear a beep. Press as many times until the desired display mode is active (not during radio reception).

Radio mode
Press the button briefly to display the clock.

Cassette mode
Press this button to switch the display between the cassette direction and clock indication.

Changer mode
Press the button briefly to switch the display between the CD number, playback time and clock indication.

Setting the clock

- Press DSC briefly.
- Press \ to select the “CLOCK-SET” function.
- Press << >> to set the hours or minutes. The adjustable option will flash in the display.
- Press \ to adjust the flashing value.
- After you have set the clock, press DSC briefly to store the new setting.

Release panel

Theft protection
This unit is equipped with a detachable control panel. A car radio without control panel is worthless for thieves.

Protect your car radio and detach the control panel when you leave your car. It is very easy to attach and detach the release panel thanks to its specific design.

Note:
Do not pull the release panel straight out from the chassis, but detach it as illustrated below. Be sure not to drop the panel.
Do not expose the release panel to direct sunlight or other heat sources. Do not leave it in a humid place.

Detaching the release panel
Press the REL button to release the control panel. Then pull it off gently as illustrated.

If the set was still in operation, it will turn off now. All current settings remain stored. If a cassette is inserted, it will be kept in the set. The radio will turn on automatically when you attach the release panel again.

Attaching the release panel
Slide the panel (B) from the left to the guide of the chassis (A). Gently push the left side of the panel against the front of the chassis until it snaps into place.
Fixing the release panel
If you wish to fix the release panel permanently to the chassis, screw down the enclosed bolt at the left hand side of the chassis into the hole (C), see Fig.

Selecting the audio mode
Use the SRC/SC (source) button to select between radio, cassette and CD mode.
The CD mode is not available unless a CD changer is connected.
To select the operating mode:
• Press SRC/SC.
Radio operation with RDS (Radio Data System)

The Radio Data System will enhance your enjoyment when you listen to FM radio stations.
More and more radio stations broadcast RDS information along with their regular programming.
As soon as a programme has been identified, the station name including a regional identifier, if applicable, will appear in the display, for example, NDR1 NDS (regional programme in Lower Saxony, Germany).
When RDS is activated, the preset buttons become programme buttons. You now know exactly which programme you have tuned into, making it easy to find the desired station quickly.
But RDS offers you further advantages:

AF - Alternative frequency

The AF (Alternative Frequency) function makes sure that the radio always tunes into the strongest frequency of the currently selected programme automatically.
This function is activated when “AF” appears in the display.
In order to switch this function on or off,
• press the AF·TA button until a beep is emitted.
While searching for the strongest reception signal, the radio may switch to mute briefly.
If “SEARCH” appears in the display when the radio is switched on or one of the stored frequencies recalled, the unit is already automatically searching for an alternative frequency.
“SEARCH” will disappear from the display when the alternative frequency has been found or after the frequency band has run through completely.
If the reception quality of the selected programme deteriorates beyond a certain point:
• Tune into another station.

REG - regional programme

Certain radio programmes are split up at times into regional programmes offering local information. The 1st programme broadcast by NDR, for example, offers programmes with different contents in the northern German states of Schleswig-Holstein, Hamburg and Lower Saxony at certain times of the day.
If you are listening to a particular regional programme and wish to continue doing so, select “REG ON” in the DSC mode.
If you leave the service area of the regional programme you are tuned into, or if you would like to take advantage of full RDS service, switch to “REG OFF” in the DSC mode.

Selecting a waveband

With this car radio you can select between the following wavebands:
FM 87.5 - 108 MHz
MW 531 - 1602 kHz
LW 153 - 279 kHz (Freiburg RCM 148, Kingston DJ without MW, LW).

• Select the desired waveband by pressing the BA/TS button.

Station tuning

Automatic seek tuning ▲▼
• Press ▲▼; the car radio will automatically search for the next station.
If you hold ▲▼ pressed up or down on the rocker switch, seek tuning will speed up in the upwards or downwards direction.

Automatic seek tuning
• Up
• Down
<< / >> Up/down in short intervals
(on FM only if "AF" is switched off)
Manual tuning with << >>
You can also tune into a station manually. Requirement:
AF and PTY must be switched off (i.e. the symbols do not light up in the display).
If necessary, deactivate these functions:
• Press AF·TA or PTY.

Manual tuning:
• Press << >>; the frequency will change in short intervals in the downwards or upwards direction.
If you hold << >> pressed to the left or the right on the rocker switch, the frequency scan will speed up.

Scrolling through the broadcasting networks (FM only)
You can use the << >> buttons to tune into stations in your reception area.
If it is possible to receive several programmes in the same broadcasting network, you can scroll through them in the forwards direction by pressing >>, or backwards using the << button, e.g. NDR 1, 2, 3, 4, N-JOY, ...
For this to work properly you must have already tuned into the stations at least once and “AF” must be active (lights up in the display).

Storing stations
On FM, you can store six stations on the preset buttons 1, 2, 3, 4, 5, 6 for each of the memory banks (1, 2, T).
On MW/LW, you can also store six stations each (Freiburg RCM 148, Kingston DJ without MW, LW).

To do this, you can start the Travelstore seek operation:
• Press BA/TS for 2 seconds; the system will start to run through the frequency band.
If “AF” is not lit up,
• Hold AF·TA down. A beep sounds and “AF” appears.
This fulfils the requirements for selecting stations with << >>.

Switching between the memory banks (FM)
You can switch between the memory banks 1, 2 and T in order to store stations and recall them later.
The currently selected memory bank appears in the display.
• Press the BA/TS button as many times as necessary until the desired memory bank lights up in the display.

Automatically storing the strongest stations with Travelstore
You can automatically store the six most powerful FM stations in your current reception area sorted according to their signal strength. This function is particularly convenient on longer trips.
• Press the desired preset button until the radio resumes play after the muting (takes approximately 2 seconds, confirmed by a beep).

Now the station has been stored. The display will indicate which preset button is currently activated.

Select the appropriate waveband by pressing BA/TS.
• Tune in a station with the rocker switch (either automatically ∧/∨ or manually << >>).
• Press the desired preset button until the radio resumes play after the muting (takes approximately 2 seconds, confirmed by a beep).
The six strongest FM stations will be automatically stored on the memory bank “T” (Travelstore). When this process has been completed, the radio will play the strongest station. If desired, stations can also be stored manually in the Travelstore bank (see “Storing stations”).

**Recalling stored stations**
You can recall any stored station at the touch of a button.
- Select the waveband by pressing `BATS`. For FM, also choose the corresponding memory bank by pressing the `BA/TS` button as many times as necessary until the desired bank appears in the display.
- Press the corresponding preset button briefly to recall the station.

**Scanning stations with Radio Scan**
You can scan through all of the stations in your reception area.

**To start the Scan function:**
- Press `SRC/SC` longer.

The scanned frequency or the station name will start flashing in the display.

During the actual scanning process “SCAN” will appear in the display.

**To select a scanned station and switch off the Scan function:**
- Press `SRC/SC` briefly.
If no station is selected, scan will start again.

**Changing the scan time**
The scan time can be selected from between 5 to a maximum of 20 seconds. If you would like to alter the scan time, please refer to the section on “DSC programming - SCANTIME”.

**Selecting the automatic tuning sensitivity**
You can alter the automatic tuning sensitivity.
- If “lo” is displayed, the radio will only pick up strong, local stations (low sensitivity).
- If “lo” does not light up, the radio will also pick up weaker, more distant stations (high sensitivity).
If you would like to alter the sensitivity level please refer to the section on “DSC programming – SENS”.

**PTY - Programme Type**
PTY is an RDS service offered by an increasing number of broadcasting stations. This feature allows you to select FM stations according to their programme type. After you have chosen the PTY of your preference, the corresponding stations can be selected either by seek tuning or using the scan function.

**Programme types**
Turn PTY on.
Use << >> to have the last selected programme type displayed and to choose a new one.
You can select any one of the stored types with the preset buttons 1-6.
The following list indicates some of the programme types which are available.

WEATHER
FINANCE
TRAVEL
HOBBIES
JAZZ
COUNTRY
NEWS
INFO
SPORT
Displaying the selected programme type
• Press << or >>.
The programme type selected last will be displayed briefly.

Selecting a programme type
a) Using the preset buttons
When PTY is switched on, you can use the preset buttons 1-6 to select the programme types stored at the factory.
• Press one of the presets 1-6.
The selected programme type will be displayed for 2 seconds.
If you would like to listen to a station with this PTY,
• press / to start the seek tuning function.
If the radio is unable to find a station offering the selected programme type, the display will show “NO PTY” and a beep tone will be emitted. The radio will select the station which was tuned into before seek tuning was activated.
You can assign different programme types to each preset position. Please refer to the next section on “Storing programme types”.
b) Using the << >> buttons on the rocker switch
When PTY is switched on, you can select a programme type using buttons << or >>.
• Press << or >>; the programme type selected last will be displayed for 3 seconds.
• During this period press >> (forwards) or << (backwards) to select the desired type.
• Press << or >> as many times as required.
If you would like to listen to a station with the selected PTY,
• press ∆/∇ to start the seek tuning function.
If the radio is unable to find a station offering the selected programme type, the display will show “NO PTY” and a beep tone will be emitted. The radio will select the station which was tuned into before seek tuning was activated.

Switching PTY ON/OFF
• Press PTY.
When the function is active, the programme type selected last will briefly appear in the display. “PTY” will appear permanently.

Checking the programme type of the station
• Press PTY for approximately 2 seconds.
After the beep tone the display will show the programme type offered by the tuned in station. If “NONE” appears in the display, the current station has no PTY code.
**PTY priority**

**Situation:**

PTY is switched on and lights up in the display.

No station offering the selected programme type can be found currently in your reception range (with seek tuning or scan).

The set will switch back to the station previously tuned into. As soon as it is possible to receive a programme in the broadcasting network with the PTY selected, the radio will switch over to the corresponding station for the duration of the programme.

**Example:**

German broadcasting network NDR:

- Station playing: NDR3.
- “PTY” lights up in the display.
- Programme type “POP” selected.
- Seek tuning is started.
- No station with “PTY-POP” can be found.
- The display shows “NO PTY” and automatically switches back to NDR3.
- NDR2 airs a “PTY-POP” programme.
- The radio will switch to the linked station NDR2 for the duration of the “POP” programme.

During cassette or CD operation, the set will also switch to the programme offering the selected PTY within the broadcasting network.

After the PTY programme has ended, the system will switch back to the previous mode (radio, cassette or CD).

**Note:**

As already mentioned, these functions are only supported by a limited number of RDS stations at the present time.

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**Storing programme types**

Each of the preset buttons 1-6 has been assigned one programme type at the factory. If desired, you can also replace these with other available programme types.

To do so, make sure that “PTY” lights up in the display.

- If necessary, press the PTY button to switch on the function.
- Select a programme type using buttons << >> and hold down the desired preset button (1-6) until you hear a beep.

Now the selected programme type can be recalled by pressing this preset, if “PTY” lights up in the display.

**Scanning stations with PTY SCAN**

**Requirement:** “PTY” must appear in the display.

- Press the SRC/SC button until you hear a beep.
  - All of the stations in your current reception area offering the selected programme type will be scanned.

To switch off PTY-SCAN:

- Press SRC/SC or the seek-tuning rocker switch once again.
Traffic programme station reception with RDS-EON

The abbreviation “EON” stands for Enhanced Other Networks, which means that information is exchanged within a radio network. Many FM radio stations provide their service area with traffic messages at regular intervals.

Along with their programmes, all traffic programme stations transmit a special carrier signal, which is decoded by your car radio. If this signal is identified, “TP” will appear in the display (Traffic Programme).

In addition to these, there are also stations which do not actually transmit traffic information themselves, but by using RDS-EON it is possible for them to forward the traffic messages broadcast by another traffic programme station in the same radio network.

If you want to have the priority for traffic announcements activated while listening to one of these stations (e.g. NDR4), “TA” must appear on the display panel.

If a traffic announcement is broadcast, the radio will automatically switch to the linked traffic programme station (in this case, NDR2) for the duration of the message and return to the original programme (NDR4) afterwards.

Traffic announcement priority on/off

If the priority for traffic announcement programmes is activated, “TA” will light up in the display.

To switch the priority on or off:
- Press the AF-TA button. “TA” appears.
- If you press AF-TA while a message is being broadcast, this message will be interrupted. The unit will then switch back to the previous mode. The priority for other traffic messages remains active.
- Please note that several buttons have no function while a traffic announcement is broadcast.

Warning beep

If you leave the reception area of the traffic programme station currently tuned into, you will hear a warning beep after approximately 30 seconds. This alarm tone will also be emitted if you press a preset button for a station which does not send the traffic programme signal (TP).

Switching the warning beep off

a) Tune into another station offering traffic information:
- Press the rocker switch or
- press a preset button which has a traffic programme station allocated to it.

Alternatively:
b) Switch off the priority for traffic announcements:
- Press TA. “TA” will disappear from the display.

Automatic seek tuning start (Cassette and CD changer operation)

If you leave the reception area for the traffic programme station you have tuned into while you are listening to a cassette or CD, the system will automatically start searching for a new traffic programme. If no such station is found within approximately 30 seconds, a warning beep will sound every 30 seconds. To switch the warning beep off, proceed as described above.
Adjusting the volume for traffic announcements and the warning beep

Although this volume was preset at the factory, you can use the DSC function to alter the setting (see “DSC programming - TA VOL”).

Cassette deck operation

Cassette playback
Insert the tape into the slot with the open side showing to the right. Press SRC/SC to select the tape deck mode. “TAPE 1” or “TAPE 2” will appear. The tape will be played in the direction previously selected.

Cassette eject
Press & to eject the cassette.

Fast winding
Press the FF or FR button to fast forward (FF) or fast rewind (FR) the tape during cassette operation: “FORWARD” or “REWIND” lights up in the display. When the end of the tape is reached with fast winding, the tape direction will change and the other side of the tape will be played. With “Radio Monitor ON” during fast winding you can listen to the radio programme previously selected. It is possible to change the Radio Monitor setting in the DSC mode. (Refer to “DSC programming - RM”).

Reversing the tape
To change the tape direction during cassette playback:
• Press FR/FF simultaneously.
The display shows “TAPE 1” or “TAPE 2” for the selected tape side.

Traffic information during cassette playback
The Traffic Announcement function (priority for traffic programmes) makes it possible to receive traffic information during cassette playback. If a traffic message is broadcast, cassette playback will stop and the message reproduced. This function is active, if “TA” lights up in the display.
• Press the AF-TA button briefly to activate TA.
CD changer operation

Optional:
Freiburg RCM 148, Siena RCM 148, Louisiana RCM 148
Included in delivery:
Kingston DJ, St. Louis DJ
This piece of equipment offers you convenient control of a Blaupunkt CD changer CDC-A 08/CDC-A 072.

If the CD changer is connected, the symbol lights up in the display. The changer is equipped with a magazine for 10 discs.

Note:
Use only perfectly circular CDs with a diameter of 12 cm.
CDs with a diameter of 8 cm or CDs manufactured in the shape of a mug, for example, are not suitable for use with this equipment.
Using such CDs can very likely result in the destruction of the CD and the CD drive.
We assume no responsibility for damages caused by using unsuitable CDs.
After you have inserted the magazine, keep the door of the magazine closed to prevent contamination.

Switching to the CD changer mode
Make sure that at least one CD has been inserted into the magazine.
Press SRC/SC to change the audio source:
• Press SRC/SC repeatedly until the CD functions appear in the display.

Inserting a CD
Insert one or several CDs into the magazine (printed surface facing up). Slide the magazine into the CD changer in the direction of the arrow. The CDs are counted from bottom to top.

Ejecting a CD
Open the door of the CD changer and press the eject button.

CD playback
Press SRC/SC to select the CD changer.
• Press SRC/SC repeatedly until “CHANGER” appears in the display.
CD playback starts with the first CD identified by the changer.

Selecting a CD
When CD playback starts, all active CD functions and the CD number light up in the display.
To change the display between CD number and elapsed time indication, press during CD playback.

CD selection Up Down
The CD number being played appears in the display.
Selecting a title

To stop the Scan function:
- Press SRC/SC briefly. The track currently scanned will continue to play.
- The SCAN function will also be cancelled by pressing any other button, except for the volume controls and the AUD and ON buttons.

RPT
CD titles can be played repeatedly.
The following options are possible:
- Repeat the current title ("REPEAT-T") or
- Repeat the CD, i.e. all titles of the current disc ("REPEAT-D").
"RPT" appears in display field 3 as long as RPT is active.
"REPEAT-T" or "REPEAT-D" lights up briefly in display field 2 when you activate this function and each time the title changes.

Switch REPEAT-T on:
- Press 4/RPT briefly.
Switch REPEAT-D on:
- Hold 4/RPT down until a beep is emitted.

MIX
You can have the CD titles played in random order.
The following options are possible:
- Mix all titles of one CD ("MIX-CD") or
- Mix all titles of all CDs ("MIX-ALL").
"MIX" appears in display field 3 as long as the MIX function is active.
"MIX-CD" or "MIX-ALL" lights up briefly in display field 2 when you activate this function and each time the title changes.

Switch MIX-CD on:
- Press 5/MIX briefly.
Switch MIX-ALL on:
- Hold 5/MIX down until a beep is emitted.
DSC programming

The car radio has been equipped with DSC (Direct Software Control) to allow you to customise certain programmable, basic settings to suit your personal needs and preferences and then store them.

The basic settings for this audio equipment were made at the factory.

In the following you can find an overview of these settings, so that you can always reset to them if desired.

If you wish to alter any of the programming, press DSC.

“MENU V/Λ” will light up in the display.

Use the V/Λ buttons of the rocker switch to select the function you wish to change. The display will show you the setting you have selected. Press the << >> buttons of the rocker switch to change the values. Confirm the setting you have selected by pressing the DSC button.

LOUDNESS

Limitedness boosts the bass frequencies at low volume.
LOUD 1 - Low boost
LOUD 6 - Max. boost

TA VOL

The traffic announcement and warning beep volume can be set between 0 to 66. The message will then come through at this volume, if the standard volume is lower. If the standard volume is set higher than the TA VOL level, then the traffic report will be played at the standard volume.

REG

Regional function on/off.

SENS DX1

To adjust the seek tuning sensitivity.
“LO” stands for local reception.
“DX” stands for distant reception.
Select “LO 3” if you want to receive strong stations in the local area, select “DX 1” if you want to tune into weaker stations which are further away.

CLOCK 24

To switch between 12-h and 24-h clock display.

CLOCKSET

To set the clock manually. Press << >> to select hours/minutes. Press V to adjust the flashing value.

ON VOL

To set the turn-on volume. Press << >> to adjust the turn-on volume as desired.

MUTE

To change the mute volume.

BEEP X

To change the volume of the acknowledgement tone (beep) between 0 and 9. (0 = off)

RM OFF

Radio Monitor
If the Radio Monitor function is active during fast winding of the tape, the set will switch to the radio and play the station previously received.
SCANTIME  Use this function to set the scan time for the radio or CD player from 5 to 20 seconds.

AUX  Select AUX ON if you wish to connect a Discman or Walkman instead of the CD changer. Contact your dealer for more information.

DISPLAY  ON/OFF  Display indications on or off with the car radio turned off.

Overview of the DSC factory settings

<table>
<thead>
<tr>
<th>Setting</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOUDNESS</td>
<td>3</td>
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<tr>
<td>TA VOL</td>
<td>40</td>
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<tr>
<td>REG</td>
<td>OFF</td>
</tr>
<tr>
<td>SENS</td>
<td>DX1</td>
</tr>
<tr>
<td>CLOCKTYPE</td>
<td>CLOCK 24</td>
</tr>
<tr>
<td>CLOCKSET</td>
<td>20</td>
</tr>
<tr>
<td>ON VOL</td>
<td>10</td>
</tr>
<tr>
<td>MUTE</td>
<td>3</td>
</tr>
<tr>
<td>BEEP</td>
<td>OFF</td>
</tr>
<tr>
<td>RM</td>
<td>10 sec.</td>
</tr>
<tr>
<td>SCANTIME</td>
<td>OFF</td>
</tr>
<tr>
<td>AUX</td>
<td>OFF</td>
</tr>
<tr>
<td>DIS</td>
<td>OFF</td>
</tr>
</tbody>
</table>
Appendix

Specifications

Amplifier
Output power: 4 x 23 W RMS power acc. to DIN 45324 at 14.4 V
4 x 35 W max. power

Tuner
Wavebands:
FM 87.5 – 108 MHz
MW 531 – 1602 kHz
LW 153 – 279 kHz
(Freiburg RCM 148, Kingston DJ without ML, LW).

FM frequency response: 35 - 16 000 Hz

Cassette
Frequency response: 35 - 16 000 Hz

CD player
Optional: Freiburg RCM 148, Siena RCM 148, Louisiana RCM 148
Included: Kingston DJ, St. Louis DJ

Frequency response: 20 - 20 000 Hz

Subject to modifications!