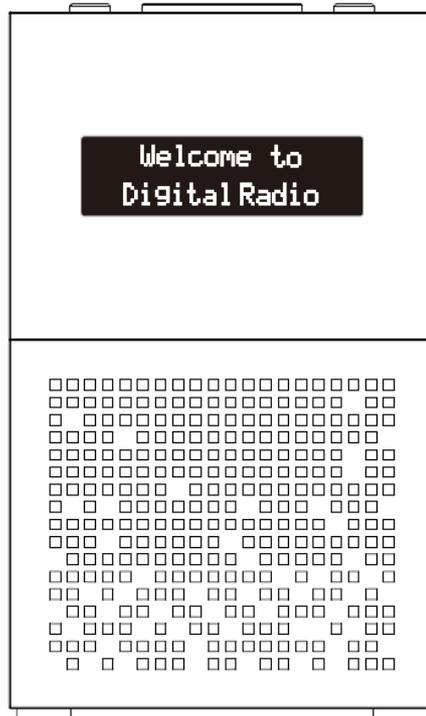


DENVER[®]

Digital Clock Radio

User manual

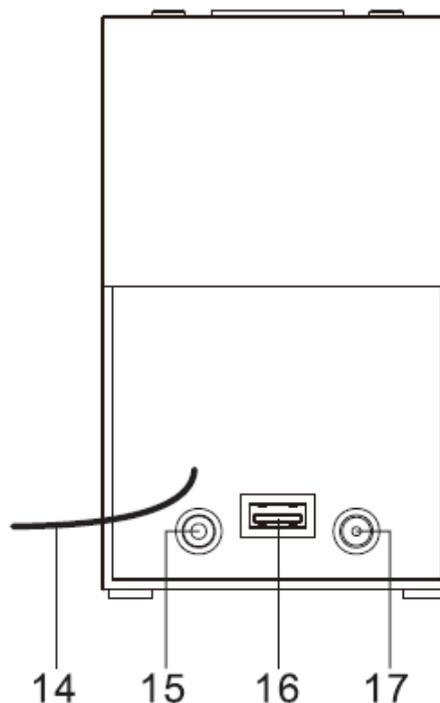
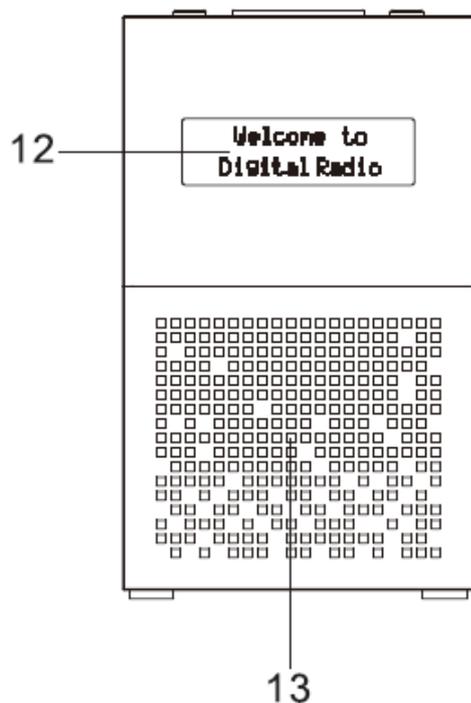
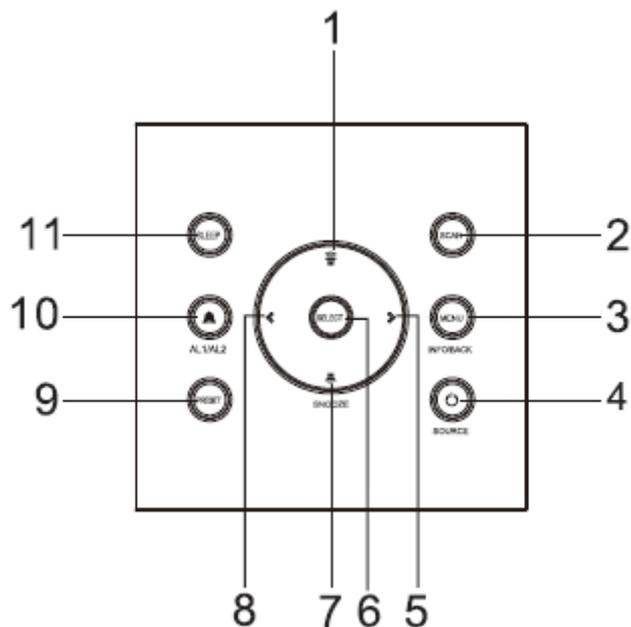
CRD-510



Importer: xxxxxx

Address: xxxxxx

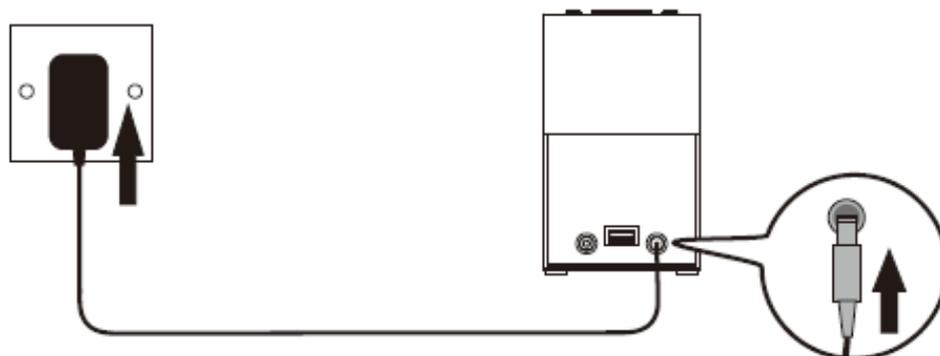
Overview of the product



1. VOL UP button
2. SCAN button
3. MENU button/INFO button/BACK button
4. POWER button/SOURCE button
5. FORWARD button
6. SELECT button
7. VOL DOWN button
8. BACKWARD button
9. PRESET button
10. ALARM button (AL1/AL2)

11. SLEEP button
12. Display
13. Speaker
14. Antenna
15. Headphone jack
16. USB jack (for charging external devices)
17. DC IN jack

Connecting to power



1. Connect the cord of the power adapter to the DC IN jack of the radio.
2. Connect the plug of the power adapter to a wall socket.
The radio is powered and in standby mode when you see the display is switched on.

Turning on or off

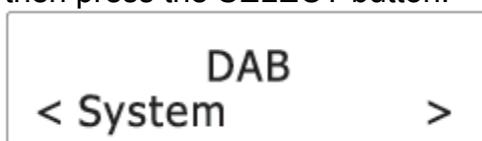
1. Press the POWER button in standby mode to turn the radio on.
2. Press and hold the POWER button when the radio is turned on to switch it to standby mode. The time show on the display in standby mode.

To completely disconnect the radio from power, remove the plug of the power adapter from the wall socket.

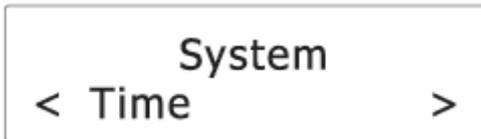
Setting the clock

The date and time of the radio is automatically set once it receives radio broadcast signals (and when such info is available). You may also set the date and time through the setting menu. To do so:

1. Press the POWER button to turn the radio on.
2. Press and hold the MENU button.
3. Press the BACKWARD or FORWARD button until you see “System” on the display and then press the SELECT button.



4. Press the BACKWARD or FORWARD button until you see “Time” on the display and then press the SELECT button.



5. Press the BACKWARD or FORWARD button until you see “Set Time/Date” on the display and then press the SELECT button.
 6. Press the BACKWARD or FORWARD button to set hour time and then press the SELECT button to confirm.
 7. Repeat step 6 to continue setting minute time, date, month and year.
- ** For more date and time settings, see chapter “Time”.

Listening to DAB broadcasts

1. Press the POWER button to turn the radio on.
2. Press the SOURCE button to select DAB mode.



Scanning for DAB stations

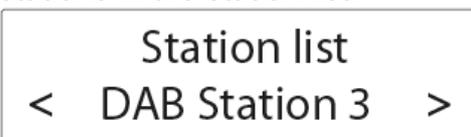
The first time you use the radio, or if the station list is empty, the radio automatically performs a station search. You may also perform a station search manually. To do so:

- In DAB mode, press the SCAN button to activate the automatic station search. The radio automatically stores radio stations with sufficient signal strength. After the search is complete, the first stored station is broadcast automatically.



Tuning to a DAB station

1. In DAB mode, the BACKWARD or FORWARD button to cycle through the DAB stations in the station list.

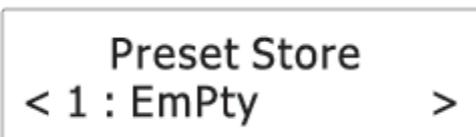


2. Press the SELECT button to tune to the selected DAB station.

Storing preset stations

You can store up to 10 DAB stations as preset stations.

1. Tune to a DAB station.
2. Press and hold the PRESET button until “Preset Store” shows on the display.
3. Press the BACKWARD or FORWARD button to select a preset number.



4. Press the SELECT button to confirm. The DAB station is stored with the selected preset number. Repeat steps 1-4 to store more preset stations.

5. To tune to a preset station, press the PRESET button once, then press the BACKWARD or FORWARD button to cycle through the list of preset stations and then press the SELECT button to confirm the selection.

To change the DAB station assigned to a preset number, repeat steps 1 to 4 above to overwrite the existing DAB station.

Displaying DAB information

Press the INFO button repeatedly to cycle through the following information (if available).

- Dynamic label segment (DLS)
- Signal strength
- Program type (PTY)
- Ensemble name
- Frequency
- Signal error rate
- Bitrate codec
- Time
- Date

Using the DAB menus

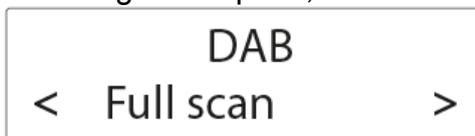
1. In DAB mode, press and hold the MENU button to access the DAB menus.
2. Press the BACKWARD or FORWARD button to cycle through the below options.
 - Full scan
 - Manual tune
 - DRC
 - Prune
 - System

See below for details of each option.

Full scan

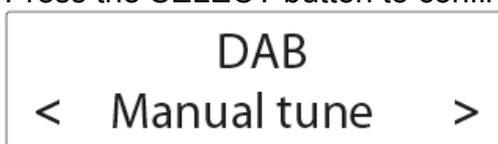
Full scan is used to perform a wide range search for DAB stations.

- Press the SELECT button to start scanning for available DAB stations. After the scanning is complete, the first detected station is broadcast automatically.



Manual tune

1. Press the SELECT button to confirm the selection "Manual tune".



2. Press the BACKWARD or FORWARD button to tune the frequency manually.

DRC (Dynamic Range Control)

DRC adds or removes a degree of compensation for the differences in the dynamic range between radio stations.

System

See chapter "System menu" for details.

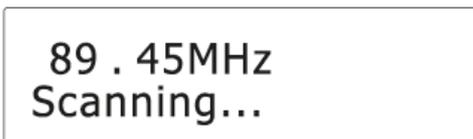
Selecting FM mode

1. Press the POWER button to turn the radio on.
2. Press the SOURCE button to select the FM mode.



Scanning for FM stations

- In FM mode, press the SCAN or SELECT button to activate the automatic search for the next available FM station.



- After a strong FM radio station is detected, the search stops. The FM radio station is broadcast.

Tuning the FM frequency

- In FM mode, press the BACKWARD or FORWARD button to tune down or up the frequency.
- Once you have tuned up or down the frequency, press the SCAN or SELECT button to activate the automatic search for the next available FM station in the selected tune up or down direction.

**Unroll and extend the antenna to improve FM signal reception.

Storing preset stations

You can store up to 10 FM stations as preset stations.

1. Tune to an FM station.
2. Press and hold the PRESET button until "Preset Store" shows on the display.
3. Press the BACKWARD or FORWARD button to select a preset number.
4. Press the SELECT button to confirm.
The FM station is stored with the selected preset number.
Repeat steps 1-4 to store more preset stations.
5. To tune to a preset station, press the PRESET button once, then press the BACKWARD or FORWARD button to cycle through the list of preset stations and then press the SELECT button to confirm the selection.

To change the FM station assigned to a preset number, repeat steps 1 to 4 above to overwrite the existing FM station.

Displaying RDS information

Radio Data System (RDS) is a service that allows FM stations to transmit additional information. When you tune to an FM radio station that transmits RDS signals, the station name is displayed.

Press the INFO button repeatedly to cycle through the following RDS information (if available).

- Radio text
- Program type (such as NEWS, SPORT, POP M)
- Program service
- Time
- Date

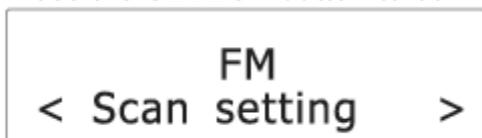
Using the FM menu

1. In FM mode, press and hold the MENU button to access the FM menus.
2. Press the BACKWARD or FORWARD button to cycle through the below options.
 - Scan setting
 - System

See below for details of each option.

Scan setting

1. Press the SELECT button to confirm the selection “Scan setting”.



2. Press the BACKWARD or FORWARD button to cycle through the below options. The asterisk behind the option indicates the current setting.
 - Strong stations only: Search for strong stations only.
 - All stations: Search for all stations regardless of the signal strength.
3. Press the SELECT button to confirm the selected option.

System

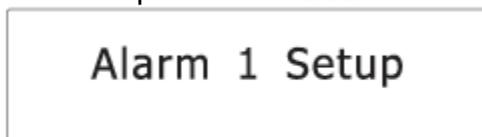
See chapter “System menu” for details.

Alarm setting

The radio lets you have 2 alarm settings.

To set the alarm:

1. While in radio mode, Press the ALARM button to select between Alarm 1 and Alarm 2 and then press the SELECT button to confirm the selection.



2. Press the BACKWARD or FORWARD button to set the hour time of the alarm and then press the SELECT button.

Alarm 1 Wizard
On time 07:50

3. Press the BACKWARD or FORWARD button to set the minute time of the alarm and then press the SELECT button.
4. Press the BACKWARD or FORWARD button to cycle through the duration options and then press the SELECT button to confirm the selection.

Alarm 1 Wizard
Duration 15

The duration defines the time before the radio returns to standby mode if the alarm is not deactivated.

Duration options: 15, 30, 45, 60, 90 and 120 minutes.

5. Press the BACKWARD or FORWARD button to cycle through the source options and then press the SELECT button to confirm the selection.

Alarm 1 Wizard
Source Buzzer

The source defines the sound source of the alarm.

Source options: DAB, FM and Buzzer.

If DAB or FM is selected, you will also be prompted to select the last played station or one of the preset stations (if set) as the alarm.

6. Press the BACKWARD or FORWARD button to cycle through the interval options and then press the SELECT button to confirm the selection.

Alarm 1 Wizard
Daily

The interval defines on which days the alarm is active.

Interval options: Daily, Once, Weekends and Weekdays.

If "Once" is selected, you will also be prompted to set a specific date.

7. Press the BACKWARD or FORWARD button to adjust the volume level and then press the SELECT button.

Alarm 1 Wizard
■■■■■■■■■■□□□□□□□□

This setting defines the sound volume of the alarm.

8. Press the BACKWARD or FORWARD button to select alarm on or off and then press the SELECT button to confirm the selection.

Alarm 1 Wizard
Alarm On

When the alarm setting is active, the corresponding alarm icon (A1) for alarm 1 and (A2) for alarm 2) will show on the display.

At the set time, the alarm will sound. The volume will increase gradually until it reaches the set volume level. The corresponding alarm icon will also flash on the display.

Turning the alarms on or off in standby mode

1. In standby mode, press the ALARM button repeatedly to cycle through the alarm on or off settings. See the table below for details.

Pressing ALARM	Alarm 1	Alarm 2
1×	Off	Off
2×	On	Off
3×	Off	On
4×	On	On

2. Press the SELECT button to confirm the setting.
When the alarm setting is active, the corresponding alarm icon (A1) for alarm 1 and (A2) for alarm 2 will show on the display.

Deactivating a sounding alarm

Press the POWER button or ALARM button to switch the radio to standby mode.

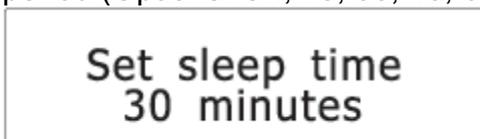
Snooze

- Snooze buttons: VOL UP, VOL DOWN, BACKWARD, FORWARD and SELECT.
- To temporarily silence a sounding alarm, press one of the SNOOZE buttons. To change the snooze period, press one of the SNOOZE buttons repeatedly (options: 5, 10, 15 or 30 minutes).
- The radio will return to standby mode during the snooze period. The alarm will sound again when the snooze period is over.
- To cancel the snooze period and the alarm, press the POWER button.

Sleep

This sleep function defines the duration of time before the radio switches itself off automatically.

1. When the radio is switched on, press the SLEEP button repeatedly to select a sleep period (Options: Off, 15, 30, 45, 60 and 90 minutes).

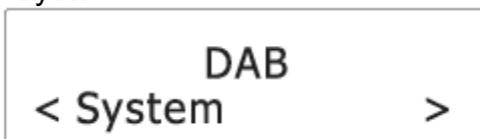


2. Press the SELECT button to confirm the selection.
Once a sleep period is set, the sleep icon (S) will show on the display. The radio will automatically switch off when the sleep period is over.

System menu

To access the system menu:

1. Press and hold the MENU button in DAB or FM mode.
2. Press the BACKWARD or FORWARD button to cycle through the options until you see "System".



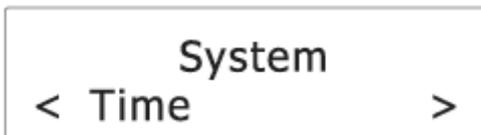
3. Press the SELECT button to confirm the selection "System".
4. Press the BACKWARD or FORWARD button to cycle through the below options.
 - Time

- Backlight
- Inactive Standby
- Language
- Factory Reset
- Software Version

See below for details of each option.

Time

1. Press the SELECT button to confirm the selection “Time”.



2. Press the BACKWARD or FORWARD button to cycle through the below options. The asterisk behind the option indicates the current setting.
 - Set Time/Date*
 - Auto Update
 - Set 12/24 hour
 - Set date format

See below for details of each option.

Auto Update

This setting defines how the radio updates the time and date information.

1. Press the SELECT button to confirm the selection “Auto Update”.
2. Press the BACKWARD or FORWARD button to cycle through the below options. The asterisk behind the option indicates the current setting.
 - Update from Any: Update the time and date from any available signals.
 - Update from DAB: Update the time and date from DAB signals.
 - Update from FM: Update the time and date from FM signals.
 - No update: Do not update the time and date.
3. Press the SELECT button to confirm the selected option.

Set 12/24 hour

1. Press the SELECT button to confirm the selection “Set 12/24 hour”.
2. Press the BACKWARD or FORWARD button to cycle through the below time format options. The asterisk behind the option indicates the current setting.
 - 12: Show the time in 12-hour format.*
 - 24: Show the time in 24-hour format.
3. Press the SELECT button to confirm the selected option.

Set date format

1. Press the SELECT button to confirm the selection “Set date format”.
2. Press the BACKWARD or FORWARD button to cycle through the below date format options. The asterisk behind the option indicates the current setting.
 - DD-MM-YYYY*
 - MM-DD-YYYY
3. Press the SELECT button to confirm the selected option.

Backlight

1. Press the SELECT button to confirm the selection “Backlight”.



2. Press the BACKWARD or FORWARD button to cycle through the below options. The asterisk behind the option indicates the current setting.
 - Timeout
 - On level
 - Dim level

See below for details of each option.

Timeout

This setting defines the duration of the backlight before it is dimmed.

1. Press the SELECT button to confirm the selection “Timeout”.
2. Press the BACKWARD or FORWARD button to cycle through the below timeout options (in seconds). The asterisk behind the option indicates the current setting.
 - On (the backlight does not dim)
 - 10 sec
 - 20 sec
 - 30 sec
 - 45 sec
 - 60 sec
 - 90 sec
 - 120 sec
 - 180 sec
3. Press the SELECT button to confirm the selected option.

On level

This setting defines the brightness level when the backlight is switched on.

1. Press the SELECT button to confirm the selection “On level”.
2. Press the BACKWARD or FORWARD button to cycle through the below brightness levels. The asterisk behind the option indicates the current setting.
 - Low
 - Mid
 - High
3. Press the SELECT button to confirm the selected option.

Dim level

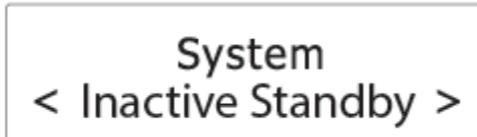
This setting defines the brightness level when the backlight is dimmed.

1. Press the SELECT button to confirm the selection “Dim level”.
2. Press the BACKWARD or FORWARD button to cycle through the below brightness levels. The asterisk behind the option indicates the current setting.
 - Low
 - Mid
 - High
3. Press the SELECT button to confirm the selected option.

Inactive Standby

This setting defines the duration of time before the radio switches itself off automatically.

1. Press the SELECT button to confirm the selection “Inactive Standby”.

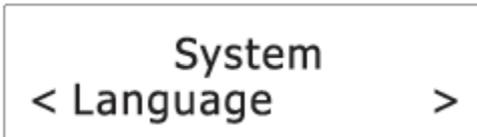


2. Press the BACKWARD or FORWARD button to cycle through the below time options. The asterisk behind the option indicates the current setting.
 - Off
 - 2 hour
 - 4 hour
 - 5 hour
 - 6 hour
3. Press the SELECT button to confirm the selected option.

Language

This setting defines the language used in the menus.

1. Press the SELECT button to confirm the selection “Language”.

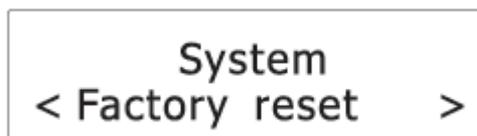


2. Press the BACKWARD or FORWARD button to cycle through the below language options. The asterisk behind the option indicates the current setting.
 - English
 - Français (French)
 - Deutsch (German)
 - Italiano (Italian)
3. Press the SELECT button to confirm the selected option.

Factory Reset

This setting clears all user-defined settings and replaces them with the original default settings.

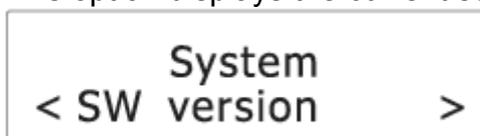
1. Press the SELECT button to confirm the selection “Factory Reset”.



2. Press the BACKWARD or FORWARD button to select “Yes” and then press the SELECT button to confirm factory reset.

Software Version

This option displays the current software version.



Charging external device

Connect an external device (e.g. smartphone, mp3 player) via a USB cable (not provided) to the USB jack on the back of the radio for charging. The radio cannot access the contents in the connected external device.

Overview of menus

- To cycle through the options a menu, press the BACKWARD or FORWARD button.
- To confirm a selection, press the SELECT button.
- To go back to the previous menu/screen, press the BACK button.

DAB Menu

Full scan	
Manual scan	
DRC	Off Low High
Prune	No Yes
System	(See "System menus")

FM Menu

Scan setting	All stations Strong stations only
System	(See "System menus")

System Menu

Time	(See "Time menus")
Backlight	(See "Backlight menus")
Inactive standby	Off 2 hour 4 hour 5 hour 6 hour
Language	English Français Deutsch Italiano
Factory reset	No Yes
SW version	

Time menus

Set Time/Date	hh > mm > dd > mm > yyyy
Auto update	Update from any Update from DAB Update from FM No update
Set 12/24 hour	12 24
Set date format	DD/MM/YYYY MM/DD/YYYY

Backlight menus

Timeout	On 10 20 30 45 60 90 120 180
On level	Low Mid High
Dim level	Low Mid High

Alarm menus

On time	hh:mm
Duration	15 30 45 60 90 120
Source	DAB FM Buzzer

Interval	Daily Once Weekends Weekdays
Volume	
On/Off	On Off

Sleep menu	
Sleep	Off 15 30 45 60 90

Specifications

Tuner Range:	FM: 87.5 - 108 MHz DAB: 174.928 - 239.200 MHz
Amplifier Rated Output Power:	W RMS
Number of preset radio stations:	10 (FM), 10 (DAB)
AC power adaptor:	Input: AC 100-240V, 50/60Hz Output: DC 5V 1.5A

Adaptor Manufacturer's name: Dongguan Huapan Electronic Technology Co., Ltd.
Adaptor Model number: PS07-050150-ABC

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Electric and electronic equipment contains materials, components and substances that can be hazardous to your health and the environment, if the waste material (discarded electric and electronic equipment) is not handled correctly.

Electric and electronic equipment is marked with the crossed out trash can symbol, seen above. This symbol signifies that electric and electronic equipment should not be disposed of with other household waste, but should be disposed of separately.

All cities have established collection points, where electric and electronic equipment can either be submitted free of charge at recycling stations and other collection sites, or be collected from the households. Additional information is available at the technical department of your city.

Hereby, Inter Sales A/S declares that the radio equipment type CRD-510 is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: <http://www.denver-electronics.com/denver-crd-510/>

Operating Frequency Range:

Max Output Power:

Imported by:

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