

USER MANUAL  
BETJENINGSVEJLEDNING  
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**dvb-t mpeg-4 hd tv-tuner**  
**for digital pay tv and free to air tv channels**  
**usb port with pvr**

DENVER DMB-115CI



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cam modul og smartcard er ikke inkl

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## Important safety instructions to be kept with the product

### Please read attentively

	<p>To prevent fire and electric shock, do not expose this receiver to rain or moisture. In order to avoid any possible risk of electric shock, never attempt to open the unit. In case of breakdown, reparation should be made by qualified technicians. No part of this unit should be repaired by users.</p>
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### WARNING!

**Presence of dangerous tension inside apparatus! Do not open. Risk of electric shock! No part should be repaired by users. The maintenance of the receiver should be carried out exclusively by qualified persons.**

If the power cord is damaged, it must be replaced or repaired by the manufacturer, its after-sales service, qualified electrician or persons of similar qualification in order to avoid possible danger.

The product must be installed in accordance with national regulations.

The used batteries must be disposed of safely. Throw them in collection bins provided is prohibited (inquire after your retailer for more details) in order to protect the environment.

### Proper Installation

- Place the receiver on a flat, firm and stable surface. Do not put it on a carpet or rug.
- Do not place the receiver on top of another device, such as an amplifier. This may lead to overheating.
- Do not put anything above the unit (for example, CDs or magazines).

### Sufficient Ventilation

- Place the receiver in a well-ventilated location to prevent accumulation of internal heat. Allow a gap of at least 10cm to the rear and the top of the unit, as well as a space of 5cm to both sides to avoid overheating.
- Do not obstruct any ventilation openings with items such as newspapers, tablecloths, curtains, etc.

### Protecting the Receiver from High Temperatures, Humidity, Water and Dust

- The receiver should not be exposed to dripping water or splashing.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- Do not place any objects that might damage your unit near it (e.g. liquid filled objects or candles).
- Do not place any source of flames such as lit candles on the receiver.
- This receiver is to be used in a temperate climate and should not be used in a tropical climate.

### Electricity Supply

- Please unplug the receiver in case of prolonged non-use.
- If the power cord is damaged, it must be replaced or repaired by the manufacturer, its after-sales service, qualified electrician or similar qualifications to those to avoid possible danger.
- This device must be connected to a 240V ~ 50Hz electrical network.
- The plug must remain readily accessible after the installation of the product.

### Welcome Section

Congratulations on choosing to buy a **DENVER** product. By doing so you now have the assurance and peace of mind that comes with purchasing a product made by one of the leading manufactory. All products brought to you by **DENVER** are manufactured to the highest standards of performance and safety, and, as part of our philosophy of customer service and satisfaction, are backed by our comprehensive **1 Years Warranty**.

### Main features:

- Slim size
- MPEG-2, MPEG-4(H.264) decoding
- USB2.0 for software update , music ,image, movie and recording
- LCN(Logical Channel Number) supported;
- Parental control
- Favorite lists
- Timer
- EPG/TXT/SUBTITLE supported
- Digital sound through COAXIAL output (S/PDIF)
- PVR ready supported

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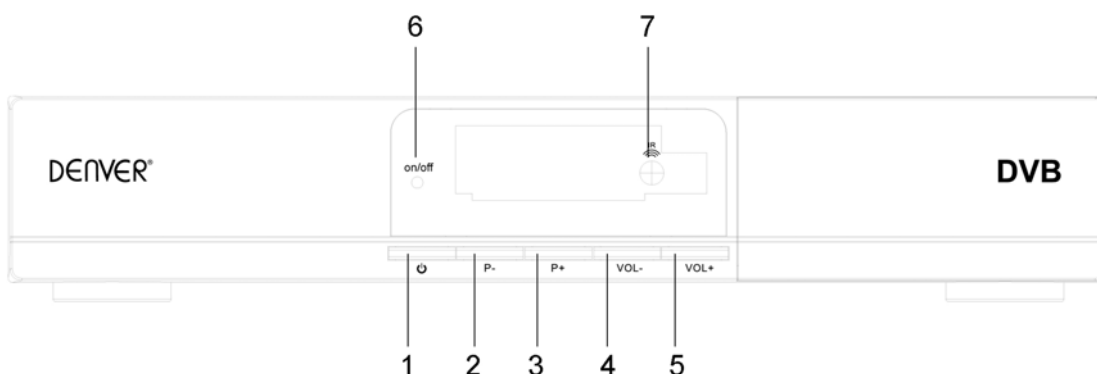
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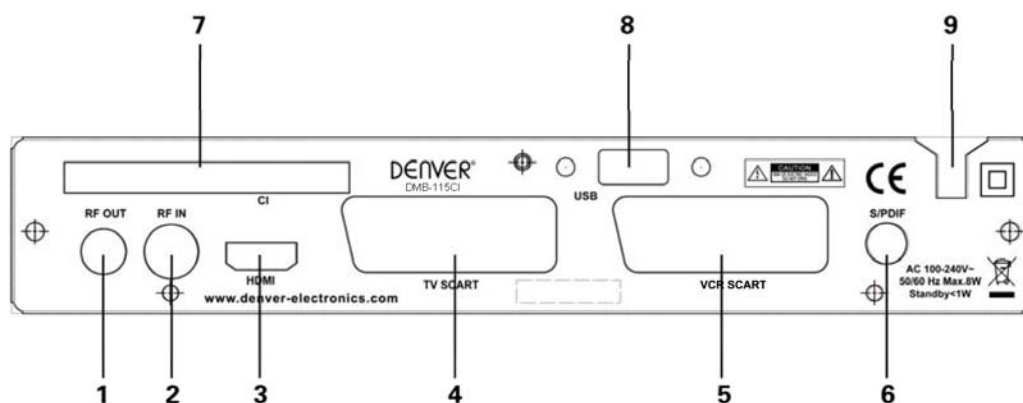
# 1. Installation of STB

## 1.1 Front Panel



- 1 : Switch between Standby mode and active mode.
- 2 **P-** : Channel -,Move cursor down
- 3 **P+** : Channel +,Move cursor up
- 4 **VOL-** : Volume -,Move cursor left
- 5 **VOL+** : Volume +,Move cursor right
- 6 **On/off**:Power lamp, red color in Standby mode, green color in active mode
- 7 **IR** : Receives the remote control signal

## 1.2 Rear Panel



### 1. RF OUT

To connect to TV.

### 2. RF IN

Connect cable signal.

### 3. HDMI

Connecting to the HDMI input on the TV set.

#### 4. TV SCART Connector

Use this connector to connect your receiver to your video recorder using a SCART cable. Your video signal will now be looped through your receiver to your TV set.

#### 5. SCART VCR

Connect the external video input

#### 6. S/PDIF

Digital audio signal output

#### 7. CI

Insert CI module and Smart Card into CI slot, to decode pay tv programs

#### 8. USB

It is used for playing media and PVR

#### **USB harddisc on products with PVR function.**

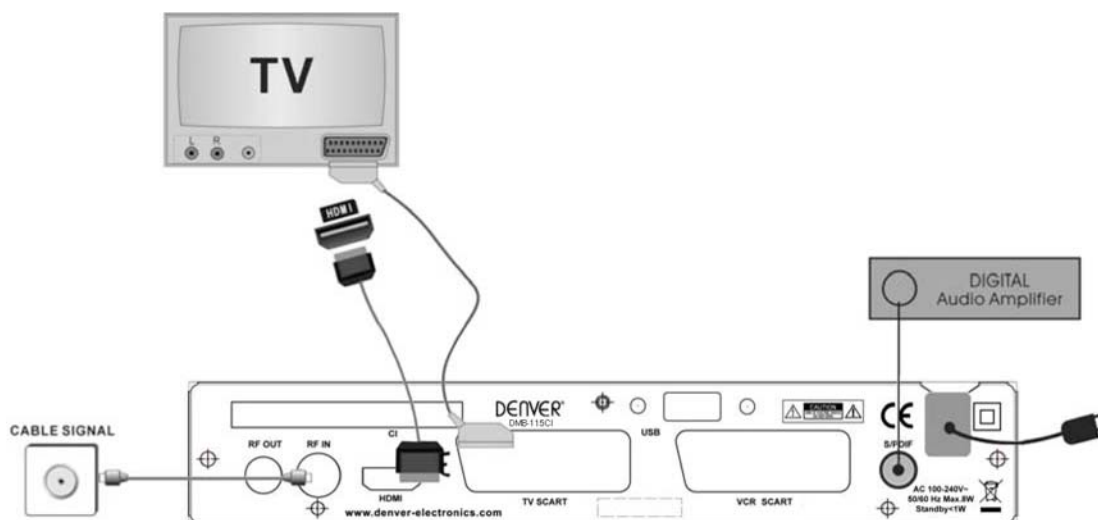
Please notice that we recommend using a hard disc with OWN power supply on this unit. This is to ensure that it has enough power to work properly.

You can buy many hard discs without power supply, but our experience is that they need too much power to work stable. MAXIMUM power for hard discs without power supply is 500mAh.. If they use more than this, they will fail when recording.

#### 9. Power Cord

### 1.3 Connection

**Note: Before connect this STB to other devices, please close all devices' power.**





### **1.3.1 Connecting to cable signal**

To receive the broadcast signal, the cable signal should be connected to the CABLE IN connector at the back of the receiver.

### **1.3.2 Connecting to TV**

1. Connect the scart connectors at the back of the receiver to the scart connectors on your TV set.
2. Connect the HDMI connector at the back of the receiver to the HDMI connector on your TV set.

### **1.3.3 Connecting to Digital Audio Amplifier**

Connect Coaxial connector at the back of your receiver to appropriated input of your Digital Audio

## 2. IR

### 2.1 Remote



1. 『STANDBY』 switch of power supply
2. 『RECALL』 return to upper menu or previous program palyed.
3. 『AUDIO』 audio switch and left/right channel
4. 『MUTE』 mute control
5. 『TV/RADIO』 TV/RADIO switch
6. 『FAV』 enter channel/Fav list
7. 『TXT』 Teletext
8. 『EPG』 go to EPG
9. 『INFO』 Display information of programs
10. 『SUB』 Subtitle
11. 『MENU』 Enter main menu
12. 『CH+/-』 left/right channel
13. 『RETURN/EXIT』 Exit to the menu or escape from the item
14. 『VOL +/-』 volume adjusting
15. 『▲/▼/◀/▶& OK』 move high\_light and confirm
16. 『PAGE UP&DOWN』 Page up&down
17. 『NUMBER』 digital strokes
18. 『REC』 enter REC
19. 『DTV/VCR』 switch DTV to VCR
20. 『USB』 Into USB menu
21. 『PLAY/PAUSE』 play/pause key
22. 『STOP』 stop playing USB Media
23. 『REPEAT』 set repeat mode
24. 『PREV & NEXT』 play previous&next USB Media
25. 『REV & FWD』 speed up&down while USB Media playing
26. 『COLOUR』 Use to navigate between pages in teletext mode.

### 3. Basic functions

#### 3.1 First Installation

First installation shall setup some important configures.

User can select OSD Language, Country, Time Zone, Active Antenna, Day Light Saving and LCN from this menu, when it is set completely, User can use "Start Search" to search channels



#### 3.2 Volume adjustment and Mute

1. Press "vol+/-" to adjust volume when system is in normal playing mode; and it will show volume bar on the image.
2. Press "MUTE" to enter into the mode when normally playing and repress "MUTE" to back the normal state.

#### 3.3 TV/RADIO programs switch

Press "TV/RADIO" to switch the programs when it is in full screen.

#### 3.4 Station switch

1. Press "CH+/-" to switch to the previous or next program.
2. Press number keys to input program number.

#### 3.5 Program list

1. Press "OK" to switch to the program list, press "LEFT/RIGHT" to select different program class; press "UP/DOWN" to select program.
2. If there are some favorite programs that been set up, just press "FAV" key to enter into the favorite program list.

#### 3.6 Display information of programs

Press key "INFO" to show the information of current programs when it is in normal playing state.

#### 3.7 Program return

Press "RECALL" under state of full-screen to return to the previous program played.

### 3.8 Audio language switch and L/R channel switch

Press "AUDIO" key to switch the language of sound of current programs and switch among "stereo"→ "left"→ "right"(stereo→left channel→right channel).

### 3.9 Electronic programs guide (EPG)

1. You can press key "EPG" on the remote controller to enter into the EPG page to know more about the programs to be played.
2. Press the colour key to choose the detailed information corresponding to the current program.

### 3.10 Teletext

Press "TXT" on the remote to enter into Teletext page.

### 3.11 Subtitle

Press "SUB" key on the remote to enter the Subtitle menu for selecting subtitle on/off/language.

### 3.12 REC

Press "REC" key to record current program. You can press "INFO" key to watch current recording information.

Press "STOP" key while recording, will stop record and resume normal playback mode.

### 3.13 Time shift

- 1) In TV full screen, Press Pause key to into time shift mode.
- 2) In time shift mode, User can use PLAY/PAUSE/Fast forward/Fast backward.
- 3) In timeshift mode, Play/Pause icon is shown only for a few seconds, then disappear, if you want to know current status, please press INFO button.

### 3.14 TV and USB switch

Press USB key to switch to usb mode, press EXIT or USB key again to return to TV mode.

### 3.15 ZOOM (In TV,Movie or Photo playback)

Press the RED key to switch to Zoom function, you can press KEY\_REV and KEY\_FWD to zoom in and zoom out.

## 4. Installation

Please input its password (0000) when entering into installation menu each time.

### 4.1 Auto Search

Auto search will scan all frequency and all programs based on your country setting.



### 4.2 Manual Search

Manual Search is for someone who know about how to select the exact frequency to scan.

### 4.3 Channel Filter

All channels or only unencrypted channels are set to be searched by selective settings.

### 4.4 Country

You can choose the different area where you are.

### 4.5 LCN

LCN Mode can control the channel whether sort by the sequence information in the streams.

### 4.6 Active Antenna

Enables/Disables the "Active Antenna"

## 5. Channel

### 5.1 Channel Manager

Channel manager page includes channel deleting, moving, locking and rename.



### 5.2 Favorite List

- As shown in the figure below via "Main menu->channel-> Favorite list"



- User can set channel favorite list.

## 6. Preference Setting

### 6.1 OSD Language

User can select OSD language

### 6.2 Preferred Subtitle

User can set 1<sup>st</sup> and 2<sup>nd</sup> Preferred subtitle language.

### 6.3 Hard Hearing

Enables/Disables the "hearing impaired"

### 6.4 OSD Timeout

Control information bar showing time on screen for current program.

### 6.5 Time On OSD

Turn on or Turn off the time display function on screen.

## 6.6 Preferred Audio

User can set 1<sup>st</sup> and 2<sup>nd</sup> Preferred audio language.

## 6.7 Multimedia

User can setting for media player.



## 6.8 PVR Config



It contains six options as follow:

### 1、PVR File Format:

Either of options, TS/PS

### 2、File Size:

Any of options, 4G/3G/2G/1G, can be selected to set the size of the file to be recorded

### 3、Timeshift:

Any of options, AUTO/OFF/ PAUSE, if AUTO is selected, timeshift operation will perform automatically on the background, if OFF is selected, timeshift operation will stop; if PAUSE is selected, timeshift operation will be Manual start by Pause key

### 4、Timeshift Length:

Any of options, AUTO/30min/1h/2h, can be selected to set the time depth of the timeshift

### 5、Timeshift to Record:

Either of options, ON/OFF, can be selected.

## 7. System Setting

### 7.1 Timers



10 timers are supported. Setting for timer:

Date: Specifies the timer date

Program Name: Specifies the channel for which the timer is set

Start time: Specifies the start time of the timer

End time: Specifies the end time of the timer, be used in Recorder Type

Duration: Specifies the duration time of the timer, be used in Recorder Type

Mode: Specifies the frequency of the timer. Duration can be any of the following:

- Once -timer will be triggered only once.
- Daily -timer will be triggered daily at the specified time.
- Weekly-timer will be triggered every week at the specified time.
- Monthly-timer will be triggered every Monthly at the specified time.

Set timers, then entre Timer List , press BLUE key to add 5 minutes each time

### 7.2 Child Lock

User can set Enables or Disables the system lock, and also can set the parental rating from 0 to 18.

### 7.3 Date Time

If the "Time Mode" is set to "Auto" then, "Time Zone" and "DST" shall be active for editing. If the Mode is "Manual", these options shall be disabled.

If the "Time Mode" is set to "Manual" then, "Date" and "Time" shall be active for editing. If the Mode is "Auto", these options shall be disabled.

### 7.4 Common Interface

Information about common interface



## 7.5 Factory Reset

There will be Reset to default when this option be selected. The system will hint to input "0000"; to set factory Reset

## 7.6 Upgrade

Software Upgrade

## 7.7 Version

Information about the stb

## 7.8 Auto Standby

the STB preset to automatically switch from active mode into standby if 3 hours no interaction and/or channel change from user,with alert message 2 minutes before going into standby.User can choose OFF (turn off this function) or other hours.

# 8. AV Setting

TV setup provides convenient TV input mode, as shown in Figure



## 8.1 Contrast

Contrast can be set from 0 to 24

## 8.2 Brightness

Brightness can be set from 0 to 24

## 8.3 Saturation

Saturation can be set from 0 to 24

## 8.4 HUE

Hue can be set from -30 to 30

## 8.5 SPDIF

Used to select AVC mode –Mute,PCM and Bitstream

## 8.6 Aspect Ratio

Aspect Ratio can be set as 16: 9, 4: 3PanScan, 4: 3LetterBox, 16:9 PanScan

## 8.7 Video Output

Video Output can be set as RGB, CVBS

## 8.8 Video Resolution

Video Resolution can be set as 480p\_60,480i\_30,576p\_50,576i\_25, 720p-60, 720p\_50, 1080i 30, 1080i 25, 1080p 60, 1080p 50

## 8.9 HDMI Color Space

HDMI Color Space can be set as YCbCr 4:4:4,xvColor,RGB, YCbCr 4:2:2

## 8.10 HDMI Deep Color

HDMI Deep Color setting Video Output mode can be set as 12 Bits,8 Bits,10 Bits

## 9. OSD Game

Four OSD games are provided include Box Man,Tetris,Hit Rat,Go Bang .

## 10. Multi-Media

## 10.1 MOVIE

### 10.1.1 Movie file browser

Supported file formats are MPG, AVI, VOB, DAT, ASF, MKV, WMV, TS, QT.



### 10.1.2 Movie playback

Key Stroke	Action
KEY_PREV	Shall stop this movie and play the previous movie in the list.
KEY_NEXT	Shall stop this movie and play the next movie in the list.
KEY_PLAY	play movie and show play icon.
KEY_PAUSE	If the movie is playing, then this will pause and show pause icon
KEY_STOP	Stop the movie and show the layout
KEY_FWD	Fast forward the movie.
KEY_REV	Fast reverse the movie.
KEY_RECALL	The same as the key KEY_STOP
KEY_MUTE	TV mute shall be toggled.
KEY_VOLUME	Change the volume
KEY_INFO	Display information of the playing movie
KEY_REC	When playing movies or recorded material,press REC button, to enter Goto function,you can put in a time where you jump to during the playback.
KEY_BLUE	When playing movies or recorded material,press REC button, to enter Goto function,you can put in a time where you jump to during the playback.
KEY_YELLOW	When playing movies,press this button to backforward 5 minutes each time.
KEY_RED	Switch to Zoom function,you can press KEY_REV and KEY_FWD to zoom in and zoom out

## 10.2 MUSIC

WMA, WAV, AAC,and MP3 format will be supported.



Key Stroke	Action
KEY_PREV	play the previous music
KEY_NEXT	play the next music
KEY_PLAY	play current music
KEY_PAUSE	pause music
KEY_STOP	stop the music
KEY_FWD	fast forward the music
KEY_REV	fast reverse the music
KEY_NUM	the highlight shall change to the corresponding item according to the input number.

### 10.3 PHOTO

#### 10.3.1 Photo file browser

Supported file formats are JPG, TIF, PNG, GIF and BMP.



Key Stroke	Action
KEY_ENTER	press the key will play the selected photo.
KEY_RECALL	press KEY_RECALL shall return from file list to filter selection mode.
KEY_NUM	the highlight shall change to the corresponding item according to the input number
KEY_YELLOW	Shall show thumbnail menu.

#### 10.3.2 Photo playback

Key Stroke	Action
KEY_UP	Shall rotate the image 180
KEY_DOWN	Shall rotate the image 180
KEY_LEFT	Shall rotate the image 270
KEY_RIGHT	Shall rotate thr image 90
KEY_PREV	Displays the previous image in the List. If the displayed image is the first one then the key is ignored.
KEY_NEXT	Displays the next image in the List. If the displayed image is the last one then the key is ignored.
KEY_INFO	Shall display the information of the image

KEY_PAUSE	Slide show was paused if press the key
KEY_PLAY	Slide show was start to play if press the key
KEY_RED	Switch to Zoom function,you can press KEY_REV and KEY_FWD to zoom in and zoom outt

### 10.3.3 Photo thumbnail

The thumbnail view of the photos.

### 10.4 NATIVE32 GAME

Supported file formats are native32.



Key Stroke	Action
KEY_ENTER	press the key will play the selected game.
KEY_RECALL	press KEY_RECALL shall return from file list to the filter selection mode.
KEY_NUM	the highlight shall change to the corresponding item according to the input number
KEY_RED	Change the type of game from native32 to NES

### 10.5 RECORDER MANAGER

#### 10.5.1 Recorder manager browser



Key Stroke	Action
------------	--------

KEY_ENTER	press the key will play the selected recorded program
KEY_RECALL	press KEY_RECALL shall return from file list to the filter selection mode
KEY_RED	press it will delete the selected item
KEY_GREEN	press it will rename the selected item.
KEY_YELLOW	press it will show list files of type
KEY_BLUE	delete all

## 10.6 DISK MANAGER

### 10.6.1 Disk manager browser

Key Stroke	Action
KEY_RED	Show move/copy menu
KEY_GREEN	Show rename menu.
KEY_YELLOW	Delete the selected item

### 10.6.2 Move/Copy

In Move/copy menu user can move file or folder from one side to other side. It also can copy the content at one side to other side.

## 10.7 E-Book

### 10.7.1 E-Book browser

User can read e-book in \*.txt file.

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## 11. Upgrade

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### 11.1 USB Upgrade

- User copy the upgrade file into the USB device and plug into the device for software upgrade.
- USB upgrade flow:
  - Insert contain upgrade file u-disk, press(menu -> setting -> upgrade -> usb upgrade) enter USB directory list page, as show in the figure below:
  - Select upgrade file and press “enter” key to start upgrade, enter upgrade page show information to prompt user upgrade progress;
    - The whole process of USB upgrade maybe need 30 second;
    - Please make sure don’t shut down the power in upgrade process;
    - When upgrade finish, system will automatic restart with the new firmware;

## 12. Troubleshooting

There may be various reasons for the abnormal operation of the receiver. Check the receiver according to the procedures shown below. If the receiver does not work properly after checking it, please contact the dealer. Don't open the receiver cover. This may cause a dangerous situation.

Symptom	Cause	Remedy
The LED display on front panel does not light up.	The power cord is not plugged in.	Check that the power cord is plugged in to the wall outlet.
No picture or sound	Wrong connection of the Audio/ Video output of the receiver to TV. Audio muting. TV power off.	Connect the Audio/ Video output of the receiver to TV correctly. Press the MUTE button Turn TV on.
No picture	The receiver can't receive the signal Incorrect values of some tuner parameters Wrong direction of the antenna.	Check the antenna cable, replace the cable, or connect the cable to the receiver tightly. Set the values of the tuner parameters correctly in the installation menu. Check the antenna connect.
The remote control does not work	The batteries of the remote control are not inserted or exhausted	Check whether the batteries are inserted correctly in your remote control. Check the batteries, and if exhausted replace the batteries in the remote control.



**Tips:** If you refer to this troubleshooting, but no resolve that problem you encountered. Please you contact the local dealer or technical support instantly, don't to discover the machine, because that do is very danger, and it damage that machine in that cases.

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



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

As the end user it is important that you submit your used batteries to the appropriate and designated facility. In this manner you make sure that the batteries are recycled in accordance with legislature and will not harm the environment.

All cities have established collection points, where electric and electronic equipment and batteries 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.



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