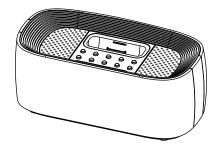
## **OPERATING INSTRUCTIONS**



DENVER® @





iPod DOCKING HIGH FIDELITY SPEAKER SYSTEM WITH FM PLL RADIO TUNER AND ALARM CLOCK MODEL: IFM-15







and arrowhead within the triangle is a warning sign alerting you of "dangerous voltage" inside the product.

# **CAUTION**

**RISK OF ELECTRIC SHOCK** DO NOT OPEN WARNING: To reduce

the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.



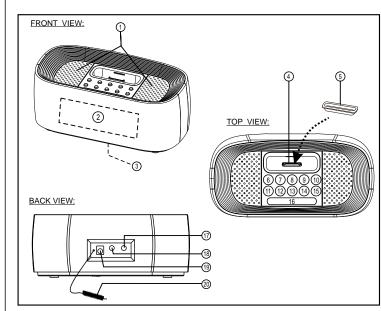
The excl am at ion point within the triangle is a warning sign alerting you of important instructions accompanying the product.

#### WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO DRIPPING OR SPLASHING LIQUIDS.

NOTE: CAUTION SYMBOLS ARE PRINTED ON THE BOTTOM OF UNIT. PLEASE REFER TO INSTRUCTION MANUAL.

**CAUTION: GROUNDING OR POLARIZATION. THE PRECAUTIONS** SHOULD BE TAKEN SO THAT THE WIDER BLADE OF THE AC PLUG MUST MATCH THE SLOT IN RECEPTACLE "WALL SOCKET".



## **LOCATION OF CONTROLS**

- 1. SPEAKER
- 2. BLUE BACKLIT DISPLAY
- 3. BACK-UP BATTERY COMPARTMENT (BOTTOM OF UNIT) 13. AL-SET/ AL-MODE KEY
- 4. CAVITY FOR DOCK ADAPTOR
- 5. DOCK ADAPTOR FOR iPOD (SEVERAL DIFFERENT ADAPTORS 16. SNOOZE DIMMER KEY
  - ARE PROVIDED)
- 6. VOLUME DOWN (-) KEY
- 7. VOLUME UP (+) KEY
- 8. MEMORY KEY
- 9. EQ/ SLEEP KEY

- 10. ON/ OFF KEY
- 11. SKIP (-) **◄** / SEARCH (-) KEY
- 12. SKIP (+) ► / SEARCH (+) KEY

- 14. FUNCTION/ CL-SET KEY
- 15. PLAY/ PAUSE / STEREO/ MONO KEY
- 17. AUX INPUT SOCKET
- 18. HEADPHONES SOCKET
- 20. FM ANTENNA WIRE

## POWER SUPPLY

## AC OPERATION (EXTERNAL AC-DC POWER ADAPTOR)

- THIS SET IS EQUIPPED WITH A "DC-JACK" CAPABLE OF ACCEPTING AC-ADAPTORS WITH A RATING OF DC = 7.5V, 1.5A, AND WITH A PLUG WITH THE FOLLOWING POLARITIES AS SHOWN (CENTER POSITIVE):
- PLEASE USE ONLY THE SUPPLIED AC-ADAPTOR TO OPERATE THE UNIT. USE OF OTHER ADAPTORS MAY DAMAGE THE UNIT OR CAUSE IT TO MALFUNCTION.
- PLUG THE TAIL END OF THE AC-ADAPTOR INTO THE DC-JACK (SOCKET) ON THE REAR OF THE UNIT.
- INSERT THE PLUG OF THE AC-ADAPTOR INTO A WALL OUTLET WITH AC-POWER.
- PRESS THE "ON/ OFF" KEY TO SWITCH ON THE UNIT.
- THIS UNIT IS DESIGNED TO OPERATE WITHOUT EVER BEING TOTALLY POWERED "OFF". IT WILL EITHER BE "ON" OR IN "STANDBY MODE".
- IN STANDBY MODE, THE BLUE BACK-LIGHT OF THE DIGITAL DISPLAY WILL BE DIMMED BUT THE DISPLAY WILL SHOW THE CURRENT TIME (CLOCK FUNCTION).
- ANYTIME DURING STANDBY MODE, YOU CAN SWITCH "ON" THE UNIT BY PRESSING THE "ON/ OFF" KEY.
- SAVE ENERGY BY SWITCHING THE SYSTEM TO "STANDBY" MODE WHEN NOT IN USE.

## **BACK UP BATTERIES**

- OPEN THE BATTERY DOOR AT THE BOTTOM OF UNIT.
- INSERT 2 PCS "AAA-CELL" (UM-4/LR03 TYPE) BATTERIES IN THE BATTERY
- THESE 2 BATTERIES ARE FOR BACKUP OF THE "CLOCK" DURING BRIEF POWER OUTAGES".

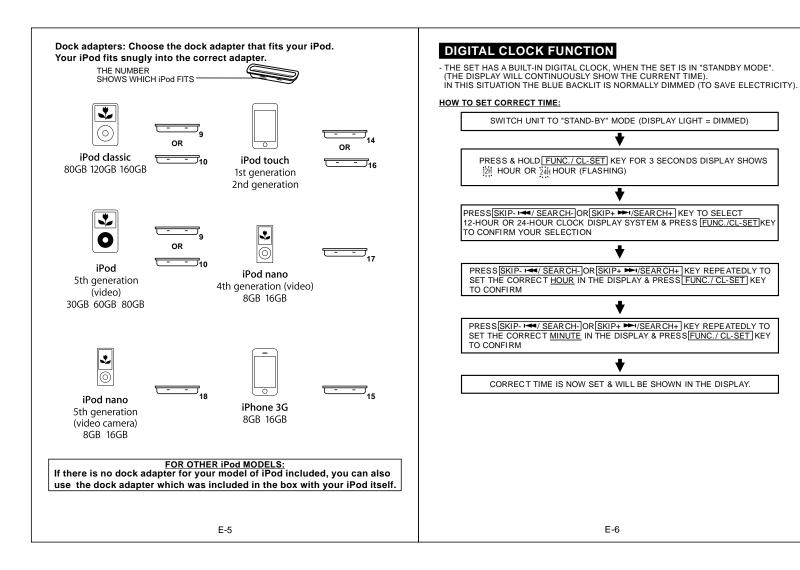
## PREPARATION OF iPod DOCK

TO CONNECT AN iPod WITH A DOCK CONNECTOR TO THIS UNIT, FIRST INSERT THE DOCK ADAPTOR THAT FITS YOUR iPod, AND THEN CONNECT YOUR iPod. YOUR HIFI INCLUDES DOCK ADAPTORS THAT WORK WITH SEVERAL MODELS OF IPOD WITH DOCK CONNECTORS. IF YOU WANT TO CONNECT A DIFFERENT MODEL OF IPOD AT A LATER TIME, YOU CAN EASILY REMOVE THE DOCK ADAPTOR FROM YOUR SPEAKER SYSTEM USING A FINGERNAIL. AND INSERT THE ADAPTOR THAT FITS THE NEW IPOD. IF THERE IS NO DOCK ADAPTOR FOR YOUR MODEL OF IPOd INCLUDED WITH YOUR SPEAKER SYSTEM, AN ADAPTOR MAY HAVE BEEN INCLUDED WITH YOUR iPod.

PLEASE CHECK INSIDE THE BOX OF THE IPOd YOU PURCHASED FOR A PLASTIC DOCK ADAPTOR.

## DIMMER FUNCTION

THIS SET HAS A DIMMER FUNCTION TO ADJUST THE BRIGHTNESS LEVEL OF THE DISPLAY BACKLIGHT. SIMPLY ADJUST IT AS DESIRED BY PRESSING THE SNOOZE/ DIMMER KEY REPEATEDLY (HI-DIMMER / LOW-DIMMER / OFF.) TO REDUCE EYE STRAIN. AND TO SAVE ENERGY. THE DISPLAY BACKLIGHT WILL ALWAYS RETURN IN HI-DIMMER AFTER RESET THE UNIT.



## **ALARM FUNCTION**

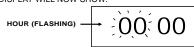
- THIS SET IS EQUIPPED WITH 3 ALARM MODES: BUZZER, RADIO AND iPod. BEFORE SETTING THE ALARM, MAKE SURE TO SET THE CLOCK (SEE "DIGITAL CLOCK FUNCTION" IN THE PERVIOUS SECTION) .

## PREPARE FOR THE ALARM SETTINGS

PRESS THE ON/ OFF KEY TO SWITCH ON THE SET (DISPLAY BLUE LIGHT WILL BF "ON")

## "ALARM" TIME SETTING

- 1. PRESS THE **ON/OFF** KEY TO PUT THE SET INTO "STANDBY" MODE (BLUE LIGHT DIMMED).
- 2. PRESS AND HOLD AL-SET/ AL-MODE KEY UNTIL THE DISPLAY WILL NOW SHOW:



3. PRESS SKIP- I / SEARCH- AND SKIP+ ► / SEARCH+ KEY TO REACH THE HOUR OF THE DESIRED WAKE UP TIME THEN PRESS AL-SET/ AL-MODE KEY TO CONFIRM. THE DISPLAY WILL NOW SHOW:



4. PRESS SKIP- ✓ / SEARCH- AND SKIP+ ► /SEARCH+ KEY TO REACH THE MINUTES OF THE DESIRED WAKE UP TIME, THEN PRESS THE AL-SET/ AL-MODE KEY TO CONFIRM.

#### "ALARM" MODE SETTING

NOW SELECT THE SOURCE THAT YOU WISH THE UNIT TO PLAY AT THE "WAKE UP" TIME AS BELOW:

PRESS THE ON/ OFF KEY TO SWITCH ON THE SET (DISPLAY BLUE LIGHT WILL BE "ON").

1. FOR iPod: CONNECT THE iPod AS DESCRIBED.

SELECT THE SONG OR THE DESIRED PLAYLIST TO PLAY AT THE

START AND PAUSE PLAYBACK OF THE SONG/PLAYLIST AT THE POINT FROM WHICH YOU WANT PLAYBACK TO BEGIN AT THE "WAKE UP" TIME.

FOR RADIO: TUNE IN THE DESIRED STATION. 2. ADJUST THE VOLUME LEVEL AS DESIRED BY PRESSING VOL. UP + OR VOL. DN -

ONCE THE DESIRED SOURCE HAS BEEN READY, PRESS THE ON/ OFF KEY TO PUT THE SET INTO STANDBY MODE AND THEN SHORT PRESS THE AL-SET/AL-MODE KEY REPEATEDLY TO SELECT THE SOURCE AS DESIRED.

\*REMARK: AL = BUZZER ALARM / FM = RADIO / iPod = iPod

6. THE ALARM TIME IS NOW FULLY PROGRAMMED AND THE ALARM SYMBOL WILL APPEAR TO INDICATE THAT THE ALARM FUNCTION IS "ACTIVE". (DISPLAY SHOWS AS FOLLOWS WITH BLUE BACKLIGHT "DIMMED")



- 7. THE SET WILL NOW AUTOMATICALLY SWITCH "ON" AT THE WAKE-UP TIME AS YOU HAVE CHOSEN, AS LONG AS THE ALARM FUNCTION IS "ACTIVE".
- 8. TO TURN OFF THE UNIT AFTER IT HAS AUTOMATICALLY SWITCHED ON, SIMPLY PRESS THE ON/OFF KEY ONCE. THIS WILL SWITCH OFF THE SET BUT WILL NOT CLEAR THE ALARM SETTINGS, AND THE SET WILL SWITCH ON AGAIN AUTOMATICALLY ON THE NEXT DAY AT EXACTLY THE SAME PRESET TIME.
- 9. TO DEACTIVATE THE ALARM, PRESS & RELEASE THE AL-SET/ AL-MODE KEY. THE ALARM SYMBOL "AL" DISAPPEARS FROM THE DISPLAY.
- 10. TO ACTIVATE THE ALARM AGAIN, REPEAT THE PROCEDURE OF "ALARM TIME SETTING" AS DESCRIBED.

#### IMPORTANT:

IF THE ALARM IS SET AS WAKE TO IPOD. YOU WILL NEED TO CONNECT THE IPOD PROPERLY AS DESCRIBED. OTHERWISE, THE BUZZER ALARM WILL SOUND AT THE SET TIME IF THE IPOD HAS NOT BE CONNECTED.

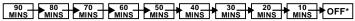
THE ALARM SET-UP MODE, WHERE THE SYMBOL "AL" IS FLASHING, WILL TIME-OUT IF THERE IS NO INPUT FOR 3 SECONDS AND RETURN TO "STANDBY MODE". SHOULD THE ALARM SET-UP MODE TIME-OUT. THE ALARM SYMBOL"AL" WILL NOT BE DISPLAYED AND THE ALARM TIME SETTING INSTRUCTIONS WILL HAVE TO BE REPEATED FOR THE ALARM TO BE SET.

## SNOOZE FUNCTION

- WHENEVER THE ALARM COMES ON, IT CAN BE TEMPORARILY SUSPENDED FOR A SHORT PERIOD OF 5 MINUTES, BY PRESSING THE "SNOOZE/ DIMMER" KEY
- THE ALARM WILL THEN AUTOMATICALLY COME ON AGAIN AFTER THE 9 MINUTES "SNOOZE" PERIOD HAS ENDED.
- THE PROCEDURE CAN BE REPEATED FOR APPROXIMATELY 90 MINUTES FROM ORIGINAL ALARM WAKE-UP TIME.

## **AUTOMATIC POWER OFF SLEEP FUNCTION**

- THIS SET HAS A SPECIAL SLEEP TIMER FUNCTION WHICH CAN AUTOMATICALLY
- SWITCH OFF THE UNIT. THIS IS USEFUL FOR SLEEPING TO MUSIC AT NIGHT.
   AT ANY TIME WHILE THE UNIT IS OPERATING, PRESS & HOLD THE EQ/SLEEP KEY UNTIL THE "SL" SYMBOL FLASHING, THEN PRESS THE EQ/SLEEP KEY REPEATEDLY TO CHOOSE THE AUTOMATIC POWER OFF TIME.



E-8

(\*OFF MEANS SLEEP TIMER IS DEACTIVATED)

## ELECTRONIC VOLUME CONTROL

- THIS UNIT USES AN ELECTRONIC VOLUME CONTROL (PUSH BUTTON TYPE) . TO INCREASE OR DECREASE THE LOUDNESS OF UNIT, PRESS
- THE VOLUME UP (VOL +) OR VOLUME DOWN (VOL -) KEYS RESPECTIVELY. - RELEASE THE KEY WHEN VOLUME LEVEL IS AT THE DESIRED LOUDNESS.
- SOMETIMES, ESPECIALLY DURING LISTENING TO THE RADIO, YOU MAY NOTICE A "CLICK-CLICK" (REPEATING) SOUND WHEN YOU ARE INCREASING OR
- DECREASING THE VOLUME. THIS IS A NORMAL CONDITION & THE SOUND WILL DISAPPEAR WHEN YOU RELEASE THE VOLUME KEY (WHEN YOU REACH THE DESIRED VOLUME LEVEL).

## OPERATION OF RADIO

- PRESS THE "ON/ OFF" KEY ONCE TO SWITCH ON THE UNIT.
- PRESS THE FUNC./CL-SET KEY REPEATEDLY UNTIL THE DISPLAY SHOWS "FM".
- EXTEND AND ADJUST THE FM-WIRE ANTENNA TO OBTAIN THE BEST RECEPTION.
- USE THE ST/MO KEY TO SELECT THE DESIRED MODE (STEREO/ MONO). IN SOME CASES, WHERE RECEPTION IS POOR, IT MAY BE ADVISABLE TO
- SELECT "MONO" MODE. TO IMPROVE CLARITY OF THE RADIO SIGNAL.

## MANUAL FREQUENCY ADJUSTMENT (SCAN MODE)

- PRESS (AND IMMEDIATELY RELEASE) THE SKIP-I≪ISEARCH- AND SKIP+ → /SEARCH+ KEYS TO "SCAN" (MANUALLY ADJUST) THE RADIO FREQUENCY "UP" OR "DOWN" BY 1-STEP AT A TIME.
- THE RADIO DIGITAL DISPLAY WILL INDICATE THE EXACT FREQUENCY AT EACH STEP'S POSITION
- WHEN A DESIRED FREQUENCY OR STATION IS REACHED. IT CAN BE SAVED INTO ONE OF THE "MEMORY" POSITIONS. (SEE "RADIO MEMORY" SECTION).

#### **AUTOMATIC FREQUENCY ADJUSTMENT (SEEK MODE)**

- PRESS AND HOLD (FOR 2 SECONDS) THE SKIP- I≪/SEARCH- AND SKIP+ ➡ /SEARCH+ KEYS TO "SEEK" (AUTOMATICALLY ADJUST) THE RADIO FREQUENCY "UP" OR "DOWN" TO THE NEXT AVAILABLE RADIO STATION.
- THE RADIO DIGITAL DISPLAY WILL INDICATE THE EXACT FREQUENCY OF THE NEXT STATION THAT IS FOUND.
- WHEN A DESIRED STATION IS REACHED. IT CAN BE SAVED INTO ONE OF THE "MEMORY" POSITIONS. (SEE "RADIO MEMORY" SECTION).

#### RADIO MEMORY (STATION PRESET MEMORY STORAGE)

- AT ANY TIME, THE CURRENTLY DISPLAYED STATION OR FREQUENCY CAN BE STORED INTO ONE OF THE MEMORY POSITIONS.
- PRESS MEMORY KEY UNTIL "C01" FLASHES IN THE DISPLAY. PRESS SKIP- I≪/SEARCH- AND SKIP+ ►/SEARCH+ KEYS TO SELECT DESIRED MEMORY POSITION. (THERE ARE TOTAL 30 MEMORY POSITIONS).
- PRESS **MEMORY** KEY ONCE TO SAVE THE SELECTED STATION INTO THE
- SELECTED MEMORY POSITION.
- TO RECALL ANY SAVED MEMORY, SIMPLY PRESS SKIP- ₩/SEARCH- AND SKIP+ ► /SEARCH+ KEYS THE SAVED RADIO-BAND WILL BE RECALLED.
- TO CLEAR THE MEMORY OF ANY POSITION, SIMPLY SAVE A NEW STATION TO THE SAME MEMORY POSITION.

## **OPERATION WITH THE iPod**

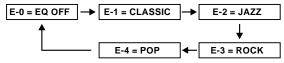
- TURN ON BOTH THE UNIT AND THE iPod.
- CONNECT THE IPod TO THE UNIT AS DESCRIBED.
- PRESS THE FUNC./ CL-SET KEY REPEATEDLY UNTIL THE DISPLAY SHOWS "iPod".
- PRESS THE PLAY/ PAUSE | KEY ON THE UNIT, THEN THE FIRST SONG WILL START PLAYING
- THE IPOD DISPLAY WILL INDICATE THE INFORMATION OF THE CURRENT SONG.
- AT ANYTIME DURING PLAYBACK, PRESS THE PLAY/PAUSE ► KEY TO PAUSE PLAYBACK. PRESS PLAY/PAUSE ► II KEY TO RESUME PLAYBACK OF THE SAME SONG & POSITION.
- AT ANYTIME DURING PLAYBACK, PRESS AND RELEASE THE SKIP- I≪/SEARCH-OR SKIP+ ► /SEARCH+ KEYS TO SKIP FORWARD OR BACKWARDS BY ONE SONG, AS DESIRED
- AT ANYTIME DURING PLAYBACK, PRESS AND HOLD THE SKIP- 1 SEARCH-OR SKIP+ ► 1/SEARCH+ KEYS TO FAST-FORWARD (CUE) OR FAST-REVERSE (REVIEW) THE SPECIFIC SONG, WHICH IS CURRENTLY PLAYING.
- YOU CAN OPERATE THE IPOD USING EITHER THE UNIT'S BUTTONS, OR DIRECTLY WITH THE iPod ITSELF.
- WHEN THE IPOD HAS BEEN CONNECTED WITH THE UNIT, IT WILL START CHARGING THE BATTERY OF THE iPod.
- NEVER REMOVE (OR UNPLUG) THE IPOD FROM THE SET DURING PLAYBACK, ALWAYS PAUSE PLAYBACK FIRST AND THEN PRESS THE FUNC/ CL-SET KEY TO SWITCH TO ANOTHER SOURCE (EG. "RADIO" OR "AUX") BEFORE REMOVING OR UNPLUGGING THE iPod. TO PREVENT DAMAGE TO YOUR SONG FILES OR MEMORY DEVICES.

#### **IMPORTANT**

PLEASE NOTE THAT WHEN CONNECTING A IPod VIDEO, THE ERROR MESSAGE "THE CURRENTLY ATTACHED ACCESSORY IS NOT SUPPORTED BY THIS IPod." WILL BE DISPLAYED AS THERE IS NO VIDEO INPUT/OUTPUT. HOWEVER. ALL AUDIO FUNCTIONS WILL OPERATE NORMALLY AS OUTLINED ABOVE.

## MUSIC EQUALIZER

- AT ANYTIME DURING PLAYBACK, PRESS **EQ/SLEEP** KEY REPEATEDLY TO CHOOSE THE DESIRED SOUND EFFECT ACCORDING TO THE MUSIC YOU ARE LISTENING TO :



## **USING THE AUDIO LINE IN CONNECTION (AUX-INPUT)**

- YOU CAN CONNECT THE AUDIO OUTPUT OF AN EXTERNAL DEVICE SUCH AS A MP3 PLAYER OR A TV TO THIS UNIT, TO LISTEN TO THE SOUND OF THAT DEVICE THROUGH THE HIGH QUALITY AMPLIFIER OF THIS MUSIC SYSTEM.
- TO CONNECT THE EXTERNAL DEVICE PLEASE USE A STANDARD STEREO HEADPHONE (3.5MM TO 3.5MM PLUGS) CABLE TO CONNECT THE "HEADPHONE-OUT OR AUDIO LINE-OUT" OF THE DEVICE TO THE AUX-INPUT SOCKET OF THIS LINIT
- SWITCH THE FUNCTION TO "AU" (AUX) USING THE FUNC./CL-SET KEY.
- SWITCH ON THE UNIT AND THE EXTERNAL DEVICE (eg. MP3-PLAYER OR TV).
- START PLAYBACK OF THE EXTERNAL DEVICE AND ADJUST THE VOLUME CONTROL OF THE MAIN UNIT TO THE DESIRED LEVEL.
- REMEMBER TO SWITCH OFF THE UNIT WHEN YOU ARE FINISHED USING THE EXTERNAL DEVICE.

## **SPECIFICATIONS**

FREQUENCY : ...... FM 87.5 - 108 MHz

THE APPARATUS SHOULD NOT BE EXPOSED TO DRIPPING OR SPLASHING AND NO OBJECTS FILLED WITH LIQUIDS SHOULD BE PLACED ON THE APPARATUS.

THE MARKING AND RATING LABEL IS LOCATED AT BOTTOM ENCLOSURE OF THE APPARATUS.

THE MAINS PLUG IS USED AS THE DISCONNECT DEVICE AND IT SHALL REMAIN READILY OPERABLE. TO BE COMPLETELY DISCONNECTED THE POWER INPUT, THE MAINS PLUG OF THE APPARATUS SHALL BE DISCONNECTED FROM THE MAINS COMPLETELY. THE MAINS PLUG SHOULD NOT BE OBSTRUCTED OR SHOULD BE EASILY ACCESSED DURING INTENDED USE.

UNDER THE INFLUENCE OF ELECTROSTATIC PHENOMENON, THE PRODUCT MAY MALFUNCTION AND USER TO POWER RESET.

EXCESSIVE SOUND PRESSURE FROM EARPHONES AND HEADPHONES CAN CAUSE HEARING LOSS.

## ELECTROST ATIC DISCHARGE (ESD) PRECAUTION

WHEN ELECTROST ATIC DISCHARGE (ESD) OCCURS AT THE FRONT SURFACE (WHETHER METAL OR PLASTIC) OR NEAR ANY PART OR ANY BUTTON OF THIS UNIT, OR AT THE USB PORT AND/ OR SD-CARD SLOTS (IF THEY EXIST ON THIS PRODUCT), THERE MAY BE A POSSIBILITY THAT THE PRODUCT MAY STOP OPERATION AND/ OR SHUT DOWN IMMEDIATELY. THIS IS A NORMAL CONDITION AND INTENDED TO PROTECT THE UNIT AND INTERNAL COMPONENTS AGAINST DAMAGE.
IN SUCH A CASE, PLEASE RESET THE UNIT (BY DISCONNECTING AND RECONNECTING ACP-OWER SOURCE) TO REVERT THE UNIT TO NORMAL OPERATION.

DANGER OF EXPLOSION IF BATTERY IS INCORRECTLY REPLACED. REPLACE ONLY WITH THE SAME OR EQUIVALENT TYPE.

BATTERY SHOULD NOT BE EXPOSED TO EXCESSIVE HEAT SUCH AS SUNSHINE, FIRE OR THE LIKE.

## INSTRUCTIONS ON ENVIRONMENT PROTECTION

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 below. 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.

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