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You can read the recommendations in the user guide, the technical guide or the installation guide for DENON TU-1800DAB. You'll find the answers to all your questions on the DENON TU-1800DAB in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual DENON TU-1800DAB
User guide DENON TU-1800DAB
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DENON

AM-FM STEREO/DAB TUNER

TU-1800DAB

OPERATING INSTRUCTIONS



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Manual abstract:

@@@Please dispose of any materials in accordance with the local recycling regulations. When discarding the unit, comply with local rules or regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste. This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries. **WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.** Whenever the power switch is in the **STANDBY** state, the apparatus is still connected on AC line voltage. Please be sure to turn off the power switch or unplug the cord when you leave home for, say, a vacation.

CAUTION: To completely disconnect this product from the mains, disconnect the plug from the wall socket outlet. @@@@ @@@@ · Never disassemble or modify the apparatus in any way. **CAUTION:** · Minimum distances around the apparatus for sufficient ventilation.

· The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.. · No naked flame sources, such as lighted candles, should be placed on the apparatus. · Attention should be drawn to the environmental aspects of battery disposal. · The use of apparatus in tropical and/or moderate climates.

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· The remote control unit can be operated at a horizontal angle of up to 30 degrees with respect to the remote sensor. NOTE: · It may be difficult to operate the remote control unit if the remote sensor is exposed to direct sunlight or strong artificial light. · Do not press buttons on the main unit and remote control unit simultaneously. Doing so may result in malfunction. · Neon signs or other devices emitting pulse-type noise nearby may result in malfunction, so keep the set as far away from such devices as possible. 30° 30° Approx. 7 m 5 Getting Started Part names and functions Front panel · For details on the functions of these parts, refer to the pages given in parenthesis (page 10 ~ 24). q w e r t y u i o !1 DISPLAY button !0 !11 !2 !3 !4 q Power ON/STANDBY operation switch The unit works 2 ~ 3 seconds after this switch is turned on.



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Watching the display, press the BAND button to select the desired band (DAB). Watching the display, press the AUTO TUNE or AUTO PRESET/AUTO TUNE button to start automatically scanning. Press the button and release it in less than 2 seconds to perform a local scan (UK band III). (UK stations are in the range 11B to 12D) (page 27). Press the button for over 2 seconds then release it to perform the full scan operation (Full band III and Lband: 5A to LW) (page 27). Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the search mode selection screen. Press the TUNING/PRESET knob or ENTER button to display the first channel on the Sorted List. You can select any component from the sorted list. Press the TUNING/PRESET knob or ENTER button to set the search mode. 20 Operation Preset search mode Tuning aid 1 2 3 4 5 Press the MENU button to select menu.

Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the search mode selection screen. 1 2 3 4 5 6 Press the MENU button to select menu. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the search mode selection screen. Press the TUNING/PRESET knob or ENTER button to set the search mode. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to select "Search Mode (Preset)". Press the TUNING/PRESET knob or ENTER button to set the search mode. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to select "Search Mode (Tuning aid)". Press the TUNING/PRESET knob or ENTER button to display the first channel at Preset. Press the TUNING/PRESET knob or ENTER button to display the first channel at Tuning aid. You can select any component from the preset. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the frequency of the ensemble that you want to receive. 7 Either press the TUNING/PRESET knob or press the ENTER button to display the signal strength for that ensemble. · Move antenna while watching the display and to try to raise the current level to the ">" mark. 8 21 Press the TUNING/PRESET knob or ENTER button to display the first channel on this ensemble (Sounds comes out). The search mode at this time is set to "Sorted list search mode".

Operation Sort mode (Sorting components) · You can sort and list scanned components by Alphanumeric, S. component or programme type. · You can then select the component you want to listen to from the list. DISPLAY MENU CHANNEL /CONTROL DISPLAY MENU TUNING/PRESET ENTER Alphanumeric The "S. Component" is sorted in alphanumerical order.

S. component · You can select a S.component for listening from the list of scanned S.components produced by using the "Tuning in DAB broadcasts" (page 19). · The "S. Component" is sorted in the order of the Service component frequencies. 1 2 3 4 5 Press the MENU button to select menu. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the sort mode selection screen. 1 2 3 4 5 Press the MENU button to select menu. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the sort mode selection screen.

Press the TUNING/PRESET knob or ENTER button to set the sort mode. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to select "Sort Mode (S. @@@@) Press the DISPLAY button to switch the DAB reception information. The display switches as shown below each time the DISPLAY button is pressed. q DLS (Dynamic Label Segment) : The text data included in the broadcast scrolls. Press the MENU button to select menu.

Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the sort mode selection screen. Press the TUNING/PRESET knob or ENTER button to set the sort mode. Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to select "Sort Mode (PTY)". w Ensemble Name : The ensemble name is displayed.

Press the TUNING/PRESET knob or ENTER button to set the sort mode to "Sort Mode (PTY)". You can select any component from the sorted list. e PTY (Programme Type) : The category of the broadcast being received is displayed. r Channel and Frequency : The frequency is displayed. t Audio Information : The bit rate and mode of the broadcast being received is displayed.

y Time and Date : The current time and date are displayed. u Bit Error Rate : Noise may be generated and reception quality may become poor at bit error rates above 0.05. @@@@ · The unit is also equipped with a back-up memory. @ @ Either turn the TUNING/PRESET knob or press the CHANNEL/CONTROL button to display the DRC value mode selection screen.

Press the TUNING/PRESET knob or ENTER button to set the DRC value mode. Either turn the TUNING/PRESET knob clockwise or press the CHANNEL/CONTROL button. Initialization of the microprocessor · When the indication of the display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following procedure. 1 2 3 Unplug the power cord from the power outlet after pressing the ON/STANDBY button and setting the standby mode. Hold the DIMMER button and MENU button, and plug the power cord into the power outlet. Check that the entire display is flashing with an interval of about 1 second, and release your fingers from the 2 buttons and the microprocessor will be initialized. The display changes as follows each time the TUNING/PRESET knob is turned clockwise or the CHANNEL/CONTROL button is pressed. DRC OFF DRC ON DRC OFF: DRC is switched off. Any DRC level broadcast will be ignored. This is the default setting.

DRC ON : Applies DRC level as sent with the broadcast. This is effective when in a noisy environment and in quiet sections of broadcast programmes. The broadcast's DRC level is set at the broadcast station. The DRC can be changed to achieve the optimum level. · If step 3 does not work, start over from step 1. · If the microprocessor has been reset, all the button settings are reset to the default values (the values set upon shipment from the factory). 24 Troubleshooting If a problem should arise, first check the following. 1. Are the connections correct? 2. Have you operated the receiver according to the operating instructions? 3.

Are the speakers and other components operating properly? If this unit is not operating properly, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase. Symptom Power does not turn on when ON/STANDBY switch is pressed. Hissing noise is heard on FM broadcasts.

Hissing or buzzing sound is heard on AM broadcasts. Booming sound (humming) is heard in AM broadcasts.



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Cause Measures Page 9 · Power supply cord's plug is not plugged in to · Plug the power supply cord in properly. wall outlet. · Antenna cable is not properly connected.

· Antenna is not pointing in the right direction. · Radio waves are weak. · Connect the leads properly. · Point the antenna in the right direction. · Install an outdoor antenna. 8 8 8 8 8 9 8 4 5 · Noise from a TV or interference in the signals · Turn off the TV. sent from the broadcast station. · Change the position of the loop antenna. · Install an outdoor antenna. · Signals transmitted over the power supply cord · Insert the plug in the opposite direction.

are modulated by the power source frequency. · Install an outdoor antenna. · Are the batteries dead? · Is the remote control unit too far away? · Is there an obstacle between the remote control unit and the main unit? · You have pressed the wrong button. · Batteries are not set in their proper direction (< and >). · Power connected amplifier not turned on. · Replace the batteries with new ones. · Operate from closer to the main unit. · Remove the obstacle. · Press the desired button. · Set the batteries in the proper direction.

· Connection leads to amplifier not made correctly. Nothing happens when remote control buttons are pressed. 7 4 9 8 19 I can not get any sound. Display says "Station not Available". I can not access secondary services.

· Ensure that DAB coverage exists in your area. · Check that antenna is connected. · At the time of publishing this manual not many · If a secondary service station is available, the secondary services are available, this will secondary indicator <<, >> will be displayed increase as more DAB stations start next to the station name. broadcasting. · DAB like other digital media is good at · To reduce this try repositioning your antenna producing quality audio from a low level signal, to gain maximum signal strength, alternatively however if this signal, level is too low a available to the TU-1800DAB.

"burbling" sound can sometimes be heard. 8 I hear a burbling sound on some stations. 25 Specifications 2 FM tuner section · Frequency range: · Antenna terminals: · Usable sensitivity: · S/N 50 dB sensitivity: Monaural: Stereo (μV is at 75 Ω , 0 dB = 10-15 W): · Image interference ratio: · IF interference ratio: · AM suppression ratio: · Effective selectivity: · Capture ratio: · Frequency characteristics: · Signal-to-noise ratio: Monaural: Stereo: · Total harmonic distortion: Mono 1 kHz (at 75 kHz dev.): Stereo 1 kHz (at 67.5 kHz dev.): · Stereo separation 1 kHz (WIDE): 87.5 MHz ~ 108.0 MHz 75 Ω Unbalanced 1.0 μV (11.2 dBf) 1.

2 μV (IHF) 1.6 μV (15.3 dBf) 23 μV (37.2 dBf) 80 dB 100 dB 50 dB 50 dB (± 400 kHz) 2.0 dB +0.5 20 Hz ~ 15 kHz 1.0 dB 77 dB (IHF), 73 dB (DIN) 72 dB (IHF), 68 dB (DIN) 0.15 % 0.3 % 43 dB 2 DAB tuner section · Frequency range: · · · · · Sensitivity: Signal-to-noise ratio: THD+N: Channel separation: Selectivity: Frequency response: Digital output: 174.928 (5A) ~ 239.

200 (13F) MHz (BAND III) 1452.960 (LA) ~ 1490.624 (LW) MHz (LBAND) 99 dBm 103 dB 0.007 % (1 kHz) 87 dB (1 kHz) 40 dB (at adjacent channel) +0.5/0.

5 dB (5 Hz ~ 20 kHz) Optical, Coaxial Sampling frequency: 48 kHz 75 Ω , F female 2 Vrms · Aerial terminal: · Analog output level: 2 AM (MW) tuner section · · · · Frequency range: Antenna terminals: Usable sensitivity: Signal-to-noise ratio: 522 kHz ~ 1611 kHz Terminal type with loop antenna 18 μV 53 dB 2 Others Power supply: Power consumption: Maximum external dimensions: Mass: AC 230 V, 50 Hz 14 W 434 (W) x 74 (H) x 286 (D) mm 3.8 kg 2

Remote control unit (RC-1013) Batteries: External dimensions: Mass: 3 V DC, R03/AAA type (two batteries) 46 (W) x 180 (H) x 29 (D) mm 115 g (including batteries) * For purposes of improvement, specifications and design are subject to change without notice. 26 Specifications 2 DAB frequency table Band III (174 to 240 MHz) Frequency 174.928 176.640 178.

352 180.064 181.936 183.648 185.360 187.072 188.928 190.640 192.352 194.064 195.

936 197.648 199.360 201.072 202.928 204.640 206.352 208.064 209.936 MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz Level 5A 5B 5C 5D 6A 6B 6C 6D 7A 7B 7C 7D 8A 8B 8C 8D 9A 9B 9C 9D 10A Frequency 211.648 213.

360 215.072 216.928 218.640 220.352 222.

064 223.936 225.648 227.360 229.072 230.

784 232.496 234.208 235.776 237.488 239.200 MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz MHz Level 10B 10C 10D 11A 11B 11C 11D 12A 12B 12C 12D 13A 13B 13C 13D 13E 13F L-Band (1452 to 1490 MHz) Frequency 1452.960 MHz 1454.672 MHz 1456.384 MHz 1458.096 MHz 1459.

808 MHz 1461.520 MHz 1463.232 MHz 1464.944 MHz 1466.656 MHz 1468.368 MHz 1470.080 MHz 1471.792 MHz Level LA LB LC LD LE LF LG LH LI LJ LK LL Frequency 1473.504 MHz 1475.216 MHz 1476.

928 MHz 1478.640 MHz 1480.352 MHz 1482.064 MHz 1483.776 MHz 1485.

488 MHz 1487.200 MHz 1488.912 MHz 1490.624 MHz Level LM LN LO LP LQ LR LS LT LU LV LW 27 TOKYO, JAPAN www.denon.

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