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You can read the recommendations in the user guide, the technical guide or the installation guide for ONKYO T-4030. You'll find the answers to all your questions on the ONKYO T-4030 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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ONKYO

DAB/FM Tuner

T-4030

Instruction Manual

Thank you for purchasing an Onkyo Tuner. Please read this manual thoroughly before making connections and plugging in the unit.
Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new Tuner.
Please retain this manual for future reference.

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Manual abstract:

..... En-14 Thank you for purchasing an Onkyo Tuner. @@@@En-22 Specifications

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. En-23 En WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE. WARNING RISK OF ELECTRIC SHOCK DO NOT OPEN AVIS RISQUE DE CHOC ELECTRIQUE NE PAS OUVRIR CAUTION: 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 lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. Important Safety Instructions 1. 2. 3.

4. 5. 6. 7. 8.

9. Read these instructions. Keep these instructions. Heed all warnings. Follow all instructions.

Do not use this apparatus near water. Clean only with dry cloth. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer. PORTABLE CART WARNING Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to S3125A avoid injury from tip-over. Unplug this apparatus during lightning storms or when unused for long periods of time. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped. 15. Damage Requiring Service Unplug the apparatus from the wall outlet and refer servicing to qualified service personnel under the following conditions: A. When the power-supply cord or plug is damaged, B.

If liquid has been spilled, or objects have fallen into the apparatus, C. If the apparatus has been exposed to rain or water, D. If the apparatus does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the apparatus to its normal operation, E. If the apparatus has been dropped or damaged in any way, and F.

When the apparatus exhibits a distinct change in performance this indicates a need for service. 16. Object and Liquid Entry Never push objects of any kind into the apparatus through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. The apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases shall be placed on the apparatus. Don't put candles or other burning objects on top of this unit.

17. Batteries Always consider the environmental issues and follow local regulations when disposing of batteries. 18. If you install the apparatus in a built-in installation, such as a bookcase or rack, ensure that there is adequate ventilation. Leave 20 cm (8") of free space at the top and sides and 10 cm (4") at the rear. The rear edge of the shelf or board above the apparatus shall be set 10 cm (4") away from the rear panel or wall, creating a fluelike gap for warm air to escape. 10. 11. 12. 13.

14. En-2 Precautions 1. Recording Copyright—Unless it's for personal use only, recording copyrighted material is illegal without the permission of the copyright holder. 2. AC Fuse—The AC fuse inside the unit is not userserviceable. If you cannot turn on the unit, contact your Onkyo dealer. 3.

Care—Occasionally you should dust the unit all over with a soft cloth. For stubborn stains, use a soft cloth dampened with a weak solution of mild detergent and water. Dry the unit immediately afterwards with a clean cloth.

Don't use abrasive cloths, thinners, alcohol, or other chemical solvents, because they may damage the finish or remove the panel lettering. 4. Power WARNING BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY. AC outlet voltages vary from country to country. Make sure that the voltage in your area meets the voltage requirements printed on the unit's rear panel (e. g., AC 230 V, 50 Hz or AC 120 V, 60 Hz). The power cord plug is used to disconnect this unit from the AC power source. Make sure that the plug is readily operable (easily accessible) at all times. For models with [POWER] button, or with both [POWER] and [ON/STANDBY] buttons: Pressing the [POWER] button to select OFF mode does not fully disconnect from the mains.

If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet. For models with [ON/STANDBY] button only: Pressing the [ON/STANDBY] button to select Standby mode does not fully disconnect from the mains. If you do not intend to use the unit for an extended period, remove the power cord from the AC outlet. Preventing Hearing Loss Caution Excessive sound pressure from earphones and headphones can cause hearing loss. Batteries and Heat Exposure Warning Batteries (battery pack or batteries installed) shall not be exposed to excessive heat as sunshine, fire or the like. Never Touch this Unit with Wet Hands—Never handle this unit or its power cord while your hands are wet or damp. If water or any other liquid gets inside this unit, have it checked by your Onkyo dealer. Handling Notes • If you need to transport this unit, use the original packaging to pack it how it was when you originally bought it. • Do not leave rubber or plastic items on this unit for a long time, because they may leave marks on the case. • This unit's top and rear panels may get warm after prolonged use.

This is normal. • If you do not use this unit for a long time, it may not work properly the next time you turn it on, so be sure to use it occasionally. For British models Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.

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.. 23 En-5 Supplied Accessories Make sure you have the following accessories: Installing the Batteries Remote controller (RC-852T) and two batteries (AAA/R03) Audio cable R cable To use R, T-4030 must be connected with an R cable. Notes: • If the remote controller doesn't work reliably, try replacing the batteries. • Don't mix new and old batteries or different types of batteries. • If you intend not to use the remote controller for a long time, remove the batteries to prevent damage from leakage or corrosion. • Expired batteries should be removed as soon as possible to prevent damage from leakage or corrosion.

Aiming the Remote Controller DAB antenna * In catalogs and on packaging, the letter at the end of the product name indicates the color. Specifications and operation are the same regardless of color. When using the remote controller, point it toward the tuner's remote control sensor, as shown below.

Remote control sensor T-4030 30° 30necting Your Components—Continued Connecting Onkyo R Components If you connect the T-4030 to another Onkyo R-capable component with the supplied R cable and audio cable, you can use the following system functions. R cables are special cables solely for use with Onkyo products. Auto Power On When you turn on the T-4030, your Onkyo amplifier will turn on automatically. (The amplifier's POWER switch must be set to ON for this to work.) Direct Change When you select a radio preset or change the band (FM, DAB), your Onkyo amplifier will automatically select the T-4030 as the input source.

@@@See the amplifier's instruction manual for details. @@@@Alternatively, press the remote controller's [k] button. @@@@• Use only dedicated R cables for R connections. R cables are supplied with Onkyo tuners and players (DVD, CD, etc.).

• Some components, including the T-4030, have two R jacks. They're both the same, so use either one. • R jacks should be connected only to Onkyo components. @@@• Some components may not support all R functions. @@@@Auto Tuning Searching stops when a station is found. @@@@When tuned to a station, the Tuned indicator appears. @@@@For example, to tune to 87.50 (FM), press 8, 7, 5, 0. You can store up to 40 of your favorite FM radio stations as presets. @@Press the [MEMORY] button.

@@Press the [MEMORY] button again to store the station or channel. @@@@See the previous section. @@@@Press the [A]/[S] buttons to select a character to input, and then press the [ENTER] button to confirm. If you do not find a character that you want to select in the currently-displayed character set, press the [D]/BS OK", use [F] buttons to display string "Shift the [A]/[S] buttons to select "Shift", and then press the [ENTER] button to display the other character set. • The following table shows available characters. 1 Press and hold the [AUTO SCAN] button for 3 seconds to start Auto Tuning function. Up to 40 stations can be preset and presets are stored in frequency order. Note: Depending on your location, a preset may be stored with no station and you will hear only noise when you select it. In this case, delete the preset. □ Name Edit You can enter a custom name for radio preset for easy identification.

When entered, the custom name will appear on the display. The custom name is edited using the character input screen. 1 2 3 Tune to the station of the preset number for which you want to edit the name, and then press the [SETUP] button. Use the arrow [D]/[F] button to select "Name Edit," and then press [ENTER]. Use the arrow [D]/[F]/[A]/[S] button to select a character, and then press [ENTER].

Repeat this step to enter up to 8 characters. The meaning of commands other than alphabetical characters, numbers and symbols is as follows: Space: Enters a space character. Shift*: Switches the displayed character. (Left)/(Right): Select these to move the cursor within the Name input area. BS (Back Space): Deletes the character to the left of the cursor.

OK: Specifies that the entry is complete. Tips: * You can also perform this on the remote controller by using [D.TUN]. En-16 Listening to the Radio—Continued Using RDS RDS only works in areas where RDS broadcasts are available. When tuned into an RDS station, the RDS indicator appears.



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RDS indicator RDS Program Types (PTY) Type None News reports Current affairs Information Sport Education Drama Culture Science and technology Varied Pop music Rock music Middle of the road music Light classics Serious classics Other music Weather Finance Children's programmes Social affairs Religion Phone in Travel Leisure Jazz music Country music National music Oldies music Folk music Documentary Alarm test Alarm Display NONE NEWS AFFAIRS INFO SPORT EDUCATE DRAMA CULTURE SCIENCE VARIED POP M ROCK M EASY M LIGHT M CLASSICS OTHER M WEATHER FINANCE CHILDREN SOCIAL RELIGION PHONE IN TRAVEL LEISURE JAZZ COUNTRY NATION M OLDIES FOLK M DOCUMENT TEST ALARM □

What is RDS? RDS stands for Radio Data System and is a method of transmitting data embedded in FM radio signals. It was developed by the European Broadcasting Union (EBU) and is available in most European countries. Many FM stations use it these days. In addition to displaying text information, RDS can also help you find radio stations by type (e.g.

, news, sport, rock, etc.). The tuner supports four types of RDS information: PS (Program Service) When tuned to an RDS station that's broadcasting PS information, the station's name will be displayed. RT (Radio Text) When tuned to an RDS station that's broadcasting text information, the text will be shown on the display (page 20). PTY (Program Type) This allows you to search for RDS radio stations by type (page 20). Notes: • In some cases, the text characters displayed on the tuner may not be identical to those broadcast by the radio station. Also, unexpected characters may be displayed when unsupported characters are received. This is not a malfunction. • If the signal from an RDS station is weak, RDS data may be displayed intermittently or not at all. □

Switching the Display When receiving RDS, you can press [PS/RT/PTY] button to switch the information shown in the display.

En-17 Listening to the Radio—Continued Listening to DAB Digital Radio With the built-in tuner, you can enjoy DAB digital radio. BAND &,(#5, ENTER Using the Scan Function Manually TUNING SETUP RETURN 1 Press the tuner's [BAND] button, or the remote controller's [BAND] button to select "DAB". When tuned into a DAB station, the station name will be displayed. 1 Press and hold the [AUTO SCAN] button for 3 seconds to start Auto Tuning function. To cancel Auto Tuning, press the [ENTER] button.

If no station is detected after scanning, "No Station" appears on the display. 2 Use the TUNING [a]/[s] buttons to select the DAB stations. You can also use the remote controller's arrow [D]/[F] buttons to selected DAB stations. Displaying DAB Radio Information DISPLAY Selecting DAB for the Very First Time The very first time you select DAB, the Auto Tuning function automatically scans the DAB Band III for the multiplexes (i.e.

, stations) available in your area. Once the scanning process is complete, the first station that was detected is selected. DISPLAY Press the [DISPLAY] button repeatedly to display more information about the selected DAB station. 1. DLS (Dynamic Label Segment) When tuned to a station that's broadcasting DLS text data, the text will scroll across the display. En-18 Listening to the Radio—Continued 2. Program Type Displays the type of program. □ DAB Scan This setting determines which DAB bands are scanned by the Auto Tuning function (see page 18). U.K: Band III (11B–12D).

W.W (default):Band III (5A–13F). □ DRC Setting With the DRC (Dynamic Range Control) setting, you can reduce the dynamic range of DAB digital radio so that you can still hear quiet parts even when listening at low volume levels—ideal for listening to the radio late at night when you don't want to disturb anyone. Use the arrow [A]/[S] buttons to select the following options, and then press [ENTER]. Off (default): DRC off. High: Large reduction in dynamic range. Low: Small reduction in dynamic range. Notes: • Press [RETURN] to return to the previous menu. 5. Multiplex Name Displays the name of the current multiplex.

3. Bit Rate and Audio Mode Displays the station's bit rate and audio mode (stereo, mono, or joint stereo). 4. Signal Quality Displays the signal quality. 0–59: Poor reception 60–79: Good reception 80–100: Excellent reception DAB Tuning Mode 6.

Multiplex Number and Frequency Displays the number and frequency of the current multiplex. TUNING MODE DAB Setup 1 2 Press the [TUNING MODE] button. The items toggle in the order of "Alphabet" "Multiplex" "Active St" each time the [TUNING MODE] button is pressed. &,(#5, ENTER SETUP RETURN With this setting, you can sort the available stations alphabetically, by multiplex, or active stations. Alphabet (default): Sort stations alphabetically. Multiplex: Sort stations by multiplex. Active St: Sort by active stations. Receivable stations appear at the top of the list. stations that cannot be received properly appear at the bottom of the list. Use the following functions and settings to set up DAB digital radio. 1 2 Press the [SETUP] button. Use the arrow [D]/[F] button to select the item you want to set. The items are explained below. En-19 Listening to the Radio—Continued Displaying Radio Text (RT) PS/RT/PTY When tuned to an RDS station that's broadcasting text information, the text can be displayed. 1 Press the [PS/RT/PTY] button once.

The RT information scrolls across the display. Notes: • The message "Waiting" may appear while the tuner waits for the RT information. • If the message "No Text Data" appears on the display, no RT information is available. Finding Stations by Type (PTY) PRESET AUTO PS/RT/PTY SCAN You can search for radio stations by type. 1 2 Press the [PS/RT/PTY] button twice. The current PTY appears on the display. "Not RDS" appears when RDS is not received. Use the PRESET [a]/[s] buttons to select the type of program you want. "(PTY selected)?" will be shown on the display. Note: • The original display will be shown when an operation is not performed 5 seconds after a selection is made.

See the table on page 17. 3 Press the [AUTO SCAN] button to start PTY scan function. When the PTY you want to scan is found, the unit will return to the regular operation. When the PTY you want to scan cannot be found, "Not Found" will be shown and the unit will return to the regular operation. En-20 Advanced Setup Setting the Display Brightness You can adjust the brightness of the display.

4 Press the [ENTER] button on the remote controller to complete the setting. Note: • Press [RETURN] to return to the previous menu. DIMMER Advanced Setup Menu Auto Standby When "ASb" is set to "On", the tuner will automatically enter Standby mode if there is no operation for 30 minutes with no radio station received.



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"ASb" will appear on the display 30 seconds before the Auto Standby comes on. Default setting: On Notes: • With some sources, the Auto Standby function may activate itself during playback.

1 Press the remote controller's [DIMMER] button repeatedly to select: dim, dimmer, or normal brightness. Changing radio wave intensity If you weak radio station is frequently received during AutoPreset/Scan, set the "Search Level" setting to "Strong" to receive the strong radio station only. @@ Press the [SETUP] button on the remote controller. The setup menu appears in the display. @@@@ The setup menu appears in the display. @@ The Hardware setup menu appears in the display. Use the Arrow [A]/[S] buttons to select "Normal" or "Strong". 4 5 Use the arrow [A]/[S] buttons to select "ASb On" or "ASb Off". Press the [ENTER] button on the remote controller to complete the setting. Note: • Press [RETURN] to return to the previous menu.

En-21 Troubleshooting If you have any trouble using the tuner, look for a solution in this section. If you can't resolve the issue yourself, try resetting the tuner before contacting your Onkyo dealer. To reset the tuner to its factory defaults, turn it on and, while holding down the [TUNING MODE] button, press the [ON/STANDBY] button. Remote Controller The remote controller doesn't work • Make sure that the batteries are installed with the correct polarity (page 6). • Install new batteries. Don't mix different types of batteries or old and new batteries (page 6). • Make sure that the remote controller is not too far away from the receiver, and that there's no obstruction between the remote controller and the receiver's remote control sensor (page 6). • Make sure that the receiver is not subjected to direct sunshine or inverter-type florescent lights. Relocate if necessary. The tuner contains a microcomputer for signal processing and control functions.

In very rare situations, severe interference, noise from an external source, or static electricity may cause it to lockup. In the unlikely event that this happens, unplug the power cord from the wall outlet, wait at least five seconds, and then plug it back in again. Onkyo is not responsible for damages (such as CD rental fees) due to unsuccessful recordings caused by the unit's malfunction. Before you record important data, make sure that the material will be recorded correctly. Before disconnecting the power cord from the wall outlet, set the tuner to Standby.

Note that resetting the tuner will delete your radio presets and custom settings. Power Can't turn on the tuner • Make sure that the power cord is plugged into the electric outlet properly. • Unplug the power cord from the electric outlet, wait 5 seconds or more, then plug it in again. Audio There's no sound or it's very quiet • Make sure that all audio connecting plugs are pushed in all the way (page 11-13). • Make sure that the inputs and outputs of all components are connected properly.

• Make sure that the correct input source is selected. Noise can be heard • Using cable ties to bundle audio cables with power cords, speaker cables, and so on may degrade the audio performance; do not bundle audio cables together with power cords or speaker cables. • An audio cable may be picking up interference. Try repositioning your cables. Tuner Reception is noisy, stereo FM reception suffers from hiss, or the FM STEREO indicator doesn't appear • Relocate your antenna. • Move the tuner away from your TV or computer. • Listen to the station in mono (page 14). • Passing cars and airplanes can cause interference. • Concrete walls weaken radio signals. • If nothing improves the reception, install an outdoor antenna.

En-22 Specifications Tuner Section □ FM Tuning Frequency Range Preset Channel Signal-to-noise ratio 87.5 MHz– 108.0 MHz RDS 40 Stereo: 60 dB (IHF-A) Mono: 74 dB (IHF-A) THD (total harmonic distortion) Stereo: 1.0 % (1 kHz) Mono: 0.2 % (1 kHz) Frequency response Stereo Separation 20 Hz–15 kHz / +1.5 dB, -4.0 dB 40 dB (1 kHz) □ DAB/DAB+ Tuning Frequency Range Preset Channel Band III: 174.928 MHz–239.200 MHz 40 General Power Supply Power Consumption Stand-by Power Consumption Dimensions (W × H × D) Weight AC 230 V, 50 Hz 8W 0.2 W 435 × 101.

5 × 307 mm (17-1/8" × 4" × 12-1/16") 4.9 kg (10.8 lbs) □ Audio Outputs Digital Outputs Analog Outputs OPTICAL: 1, COAXIAL: 1 L/R □ Others R 2 Specifications and features are subject to change without notice. En-23 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN Tel: 072-831-8023 Fax: 072-831-8163 <http://www.onkyo.com/>

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