Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for OLYMPUS WS-760M. You'll find the answers to all your questions on the OLYMPUS WS-760M in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual OLYMPUS WS-760M
User guide OLYMPUS WS-760M
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OLYMPUS

DIGITAL VOICE RECORDER

WS-760M
WS-750M
WS-650S

DETAILED INSTRUCTIONS

Thank you for purchasing an Olympus Digital Voice Recorder.
Please read these instructions for information about using the product correctly and safely.
Keep the instructions handy for future reference.

To ensure successful recordings, we recommend that you test the record function and volume before use.

Register your product on **www.olympus-consumer.com/register** and get additional benefits from Olympus!

EN

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Manual abstract:

@@@@· The illustration of the screen and the recorder shown in this manual may differ from the actual product. The utmost care has been taken to ensure the integrity of this document but if you find a questionable item, error or omission, please contact our Customer Support Center. · Any liability for passive damages or damage of any kind occurred due to data loss incurred by a defect of the product, repair performed by the third party other than Olympus or an Olympus authorized service station, or any other reason is excluded. Trademarks and registered trademarks · IBM and PC/AT are the trademarks or registered trademarks of International Business Machines Corporation. · Microsoft, Windows and Windows Media are registered trademarks of Microsoft Corporation. · Macintosh and iTunes are the trademarks of Apple Inc. ·microSD and microSDHC are the trademarks of SD Card Association. · MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson. · EUPHONY MOBILETM is a trademark of DiMAGIC Corporation. · DVMTM is a trademark of DiMAGIC Corporation.
· The product was developed based on noise-canceling technology under license from NEC Corporation. Other product and brand names mentioned herein may be the trademarks or registered trademarks of their respective owners. EN 2

Safe and proper usage

Before using your new recorder, read this manual carefully to ensure that you know how to operate it safely and correctly. Keep this manual in an easily accessible location for future reference.

· The warning symbols indicate important safety related information. To protect

yourself and others from personal injury or damage to property, it is essential that you always read the warnings and information provided. · Do not operate the unit while operating a vehicle (such as a bicycle, motorcycle, or go-cart). · Keep the unit out of the reach of children. Precautions relating to reception: · Radio reception will vary substantially depending on where you are using the radio. If the reception is poor, try moving the recorder near to a window and away from electrical products such as cellular phones, televisions, florescent lights etc. Warning regarding data loss: · Recorded content in memory may be destroyed or erased by operating mistakes, unit malfunction, or during repair work. It is recommended to back up and save important content to other media such as a computer hard disk. · Any liability for passive damages or damage of any kind occurred due to data loss incurred by a defect of the product, repair performed by the third party other than Olympus or an Olympus authorized service station, or any other reasons is excluded from the Olympus's liability.

Precautions relating to recording: · Olympus will not be held responsible for any deletion or corruption of recorded files caused by malfunction of the recorder or your PC. · Content you have recorded cannot, under copyright law, be used for anything other than private consumption without the express consent of the copyright holder. General precautions · Do not leave the recorder in hot, humid locations such as inside a closed automobile under direct sunlight or on the beach in the summer. · Do not store the recorder in places exposed to excessive moisture or dust. · Do not use organic solvents such as alcohol and lacquer thinner to clean the unit. · Do not place the recorder on top of or near electric appliances such as TVs or refrigerators. · Avoid recording or playing back near cellular phones or other wireless equipment, as they may cause interference and noise. If you experience noise, move to another place, or move the recorder further away from such equipment. · Avoid sand or dirt. These can cause irreparable damage.
· Avoid strong vibrations or shocks. · Do not disassemble, repair or modify the unit yourself. EN 4 Safe and proper usage Batterries f Danger: · Batteries should never be exposed to flame, heated, short-circuited or disassembled. · Never store batteries where they will be exposed to direct sunlight, or subjected to high temperatures in a hot vehicle, near a heat source, etc. f Warning: · Do not solder lead wires or terminals directly onto a battery or modify it. · Do not connect the = and terminals together. This may cause fire, overheating or electric shock. · When carrying or storing the batteries, be sure to put it in the provided case to protect its terminals. Do not carry or store the batteries with any metal objects (such as key rings). If this warning is not followed, fire, overheating or electric shock may occur.

· Do not connect the batteries directly to a power outlet or a cigarette lighter of an automobile. · Do not insert the batteries with their = and - terminals reversed. · If any liquid from a battery gets into your eyes, promptly wash it off with clean water and consult your doctor at once. · Do not attempt to recharge alkaline, lithium or any other nonrechargeable batteries. · Never use any batteries with a torn or cracked outer cover. · Keep batteries out of the reach of children. · If you notice anything unusual when using this product such as abnormal noise, heat, smoke, or a burning odor: 1 remove the batteries immediately while being careful not to burn yourself, and; 2 call your dealer or local Olympus representative for service. · Do not expose the batteries to water. Do not allow water to contact the terminals. · Do not remove or damage the batteries insulating sheet.

· Do not use the batteries if you find something wrong with them such as leakage, color change or deformity. · Unplug the charger if the charging is still incomplete after the specified time it should take. · Should any batteries liquid get on skin or clothing, promptly wash it off with clean water. · Keep batteries away from fire. ƒ Caution: · Do not subject batteries to strong shocks. · When using rechargeable batteries that have not been used for a while, be sure to recharge them before use. · Rechargeable batteries have limited lifetime. When the operating time becomes shorter even if the rechargeable battery is fully charged under the specified condition, replace it with a new one. EN 5 Getting started Main features s Built-in Stereo FM tuner. You can use the recorder as a radio (For WS-760M only) (P.

41). s Dual function recorder as a digital voice recorder and a digital music player (For WS-760M, WS-750M only) (P.25, P.31). s Supports high capacity recording media.

Besides the built-in memory, you can also record into a microSD* card (P.19). * For WS-760M, WS-750M only. s Supports the linear PCM format, which is capable of recording sound quality equivalent to CD-level (For WS-760M, WS-750M only) (P.47, P.

49). s Supports multiple recording formats, such as MP3 format (MPEG-1 Audio Layer 3) and Windows Media Audio (WMA) format (P.47, P.49). s You can playback WAV*, WMA, and MP3 format files transferred from a computer in addition to files recorded by the device itself. You ecorder can be used with either Ni-MH Rechargeable Batteries or AAA Alkaline Batteries. 1 Identification of parts/Power supply EN Elapsed recording time For WS-760M/WS-750M: · When charging the recorder, be sure to use the supplied specified Ni-MH rechargeable (BR401) batteries. · The supplied rechargeable batteries are not fully charged. Before using the unit or after long periods of disuse, it is recommended that you continuously charge them until full (P.12).

During playback mode: Elapsed playback time 9 During recording mode: Remaining recording time During playback or stop mode: File length 0 Playback mode indicator ! Title name @ Artist name # Album name $ Elapsed playback time % [] EUPHONY indicator*1 [ù] Equalizer indicator*1 ^ Current file number/ Total number of recorded files in the folder [í] Erase lock indicator, [Ø] Speaker muting indicator & File length * Playback mode indicator *1 For WS-760M, WS-750M only *2 For WS-760M only For WS-650S: · This recorder cannot charge rechargeable batteries. 1 Lightly press down on the arrow and slide the battery cover open. 10 Power supply 2 Insert size-AAA battery, observing the correct = and - polarities. Notes · Manganese batteries may not be used in this recorder. · When changing batteries, AAA alkaline batteries or Olympus Ni-MH rechargeable batteries are recommended. · Be sure to stop the recorder before replacing the batteries. Unloading the batteries while the recorder is in use may cause a malfunction such as corrupting the file, etc. If you are recording into a file and the batteries run out, you will loose your currently recorded file because the file header will not be able to close. It is crucial to change the batteries once you see only one Hash mark in the battery indicator. · If it takes longer than 1 minute to replace the dead batteries or if you take the batteries in and out repeatedly at short intervals, you may have to redo the battery and time settings.

In this case, the [Battery] screen will appear. For more details, refer to "Battery settings" (P.12). · Remove the batteries if you are not going to use the recorder for an extended period of time. · When replacing rechargeable batteries, be sure to use Ni-MH rechargeable batteries (optional).

The use of other manufacturers' products can damage the recorder and should be avoided. 1 Power supply 3 Close the battery cover completely by pressing to the direction A, then sliding to the direction B. EN 11 Power supply Battery settings Select to match the battery you are using. Note · When playing a voice/music file, the recorder may be reset due to the reduction of the voltage output of the batteries depending on the volume level even if [º] is displayed in the battery indicator. In this case, lower the volume of the recorder.

1 Replace the battery and switch on the recorder. 1 Power supply 2 Press the + or - button to change the setting. Battery type Charging by connecting to a computer via USB For WS-760M/WS-750M: [Ni-MH] (õ): Select when using the Olympus Ni-MH rechargeable battery (BR401). [Alkaline] (ú): Select when using a commercially available alkaline battery. You can charge the batteries by connecting to a PC's USB port. When charging, be sure to correctly place the rechargeable batteries (supplied) into the recorder (P.10). Do not charge primary batteries such as alkaline or lithium batteries.It may cause battery leakage heating and recorder malfunction. 3 Press the OK ⁄MENU button to complete the setting.

· If the "Hour" indicator flashes in the display, see "Setting time and date [Time & Date]" (P.17). Battery indicator The battery indicator on the display changes as the batteries loose power. 1 Boot the PC. 2 Slide the USB connector slide lever in the direction indicated by the arrow to eject the USB connector out of the recorder. · When [æ] appears on the display, replace the batteries as soon as possible. When the batteries are too weak, [s] and [Battery Low] appears on the display and the recorder shuts down. EN 12 Power supply 3 Make sure that the recorder is stopped, and connect to the PC's USB port. Connect to the USB connecting AC adapter (optional) to charge For WS-760M/WS-750M: It can be charged by connecting to the USBconnecting AC adapter (A514) (optional).

1 Power supply 1 Connect the recorder to the AC adapter's USB port.

*To the USBconnecting AC adapter's (A514) USB connecter 4 Press the OK ⁄MENU button to start charging. 5 Charging is completed when battery indication becomes to [¿]. Charging time: approximately 3 hours * * It shows the approximate time when charging the rechargeable battery fully from no remaining power at the room temperature. The charging time will be changed depending on the remaining amount and the state of batteries. 2 Connect the AC adapter to a household power outlet.*

To the Household power outlet EN 13 Power supply 3 Press the OK ⁄MENU button to start charging. · Do not use USB extension cables other than the supplied cable. Using cables from other manufacturers could result in damage to the recorder. Do not use the supplied USB extension cable with devices from other manufacturers. Cautions concerning the rechargeable batteries 1 · If [USB Connect] has not been set to [AC Adapter], [Please wait] will continue to be displayed (P.

61). Read the following descriptions carefully when you use the Ni-MH rechargeable batteries. Discharging: The rechargeable batteries self-discharge while this is not in use. Be sure to charge them regularly before use. Operating temperature: The rechargeable batteries are chemical products. The rechargeable batteries efficiency may fluctuate even when operating within the recommended temperature range. This is an inherent nature of such products. Recommended temperature range: When operating appliance: 0°C - 42°C/ 32°F - 107.6°F Charging: 5°C - 35°C/ 41°F - 95°F Storage for a long period: -20°C - 30°C/ 4°F - 86°F Using the rechargeable batteries outside the above temperature range may result in declining efficiency and shorter battery life. In order to prevent battery leakage or rust, remove the rechargeable batteries from the products when you will not be using them for a long time, and store them separately.

*Power supply EN 4 Charging is completed when battery indication becomes to [¿]. Notes · The recorder cannot be charged when the PC is not turned on. Also, it may not be charged when the PC is not switched on, or when it is in the standby, hibernate or sleep mode. · Do not charge the recorder with the USB hub connected. · Insert the supplied rechargeable battery and set [Battery] to [Ni-MH]. If [Battery] is set to [Alkaline], you cannot recharge (P. 12). · You cannot charge when [ø]*1 or []*2 blinks. Charge the batteries at the temperature from 5°C to 35°C (41°F to 95°F). *1 [ø]: When surrounding temperature is low.*

*2 []: When surrounding temperature is high. · When using time becomes notably short even after the batteries are fully charged, replace them with new ones. · Be sure to push the USB connector all the way in. Otherwise, the recorder may not operate properly. · Use the supplied USB extension cable depending on situations.

14 Power supply Notes · This recorder is designed to fully charge batteries regardless of their energy level. However, for best results when charging newly purchased rechargeable batteries or batteries that have not been used for a long time (more than one month), It is recommended to fully charge the batteries then discharge repeatedly for 2 to 3 times. · When disposing rechargeable batteries, always observe the local laws and regulations. Contact you local recycling center for proper disposal methods. · If Ni-MH rechargeable batteries are not fully discharged, protect against shortcircuiting (e.

g. by taping the contacts) before disposing. For customers in Germany: Olympus has a contract with the GRS (Joint Battery Disposal Association) in Germany to ensure environmentally friendly disposal. · The display will turn on, and the power will be turned on. · The resume function will bring the recorder back to the stop position in memory before power was turned off. Turning off the power Slide the POWER/HOLD switch in the direction indicated by the arrow for 0.5 seconds or longer. · The display shuts off, and the power will be turned off. · The resume function remembers the stop position before the power is turned off. 1 Power supply Power save mode If the recorder is on and stops for 10 minutes or longer (default), the display shuts off and it goes into power save mode (P.

57). · To exit power save mode, press any button. Turning on/off the power When the recorder is not being used, turn the power off to reduce battery consumption to a minimum. Even if the power is turned off, existing data, mode settings, and clock settings will be maintained. Turning on the power While the recorder's power is off, slide the POWER/HOLD switch in the direction indicated by the arrow. EN 15 HOLD If you bring the recorder is set to HOLD mode, the running conditions will be preserved, and all buttons will be disabled. This feature is useful when the recorder has to be carried in a bag or pocket. Also, you can stop to prevent accident during recording. Set the recorder to HOLD mode Exit HOLD mode 1 HOLD Slide the POWER/HOLD switch to the [HOLD] position. Slide the POWER/HOLD switch to the A position.

· After [Hold] appears on the display, the recorder is set to HOLD mode. EN 16 Notes · If you press any button in HOLD mode, the clock display flashes for 2 seconds, but it will not operate the recorder. · If HOLD is applied during playback (recording), operation is disabled with the playback (recording) state unchanged (When playback has ended and the recording has ended due to the remaining memory being used up, it will stop). Setting time and date [Time & Date] If you set the time and date beforehand, the information when the file is recorded is automatically stored for each file. Setting the time and date beforehand enables easier file management.

When you use the recorder for the first time after purchasing it, or when the batteries have been inserted without the device having been used in a long time, the [Set Time & Date] will appear. When the "Hour" is flashing, conduct the setup from Step 1. 2 Press the + or - button to set. · Follow the same steps by pressing the 9 or 0 button to select the next item, and press the + or - button to set. · You can select between 12 and 24 hour display by pressing the LIST button while setting the hour and minute.

Example: 10:38 P.M 10:38 PM (Initial setting) 22:38 1 Setting time and date · You can select the order of the "Month", "Day" and "Year" by pressing the LIST button while setting them. Example: July 15, 2010 7M 15D 2010Y (Initial setting) 15D 7M 2010Y 2010Y 7M 15D +- button 9 0 button OK ⁄MENU button LIST button 3 Press the OK ⁄MENU button to complete the setting.

1 Press the 9 or 0 button to select the item to set. · Select the item from the "Hour", "Minute", "Year", "Month" and "Day" with a flashing point. · The clock will start from the set date and time. Press the OK ⁄MENU button according to the time signal. Note · If you press the OK ⁄MENU button during the setup operation, the recorder will save the items that were set to that point. EN 17 Setting time and date [Time & Date] Changing the time and date While the recorder is during stop mode, press and hold the STOP (4) button to display the [Time & Date] and [Remain]. If the current time and date is not correct, set it using the procedure below.

3 Press the OK ⁄MENU or 9 button to move the cursor to the item to set. · [Device Menu] will appear on the display. 1 Setting time and date 4 Press the + or - button to select [Time & Date]. 5 Press the OK ⁄MENU or 9 button. STOP (4) button · [Time & Date] will appear on the display. · The "Hour" will flash on the display, indicating the start of the Time and Date setup process. +- button 9 0 button OK ⁄MENU button 1 While the recorder is during stop mode, press and hold the OK ⁄MENU button. · The menu will appear on the display (P.47). The following steps are the same as Step 1 through Step 3 of "Setting time and date [Time & Date]" (P.

17). 2 Press the + or - button to select [Device Menu] tab. · You can change the menu display by moving the settings tab cursor. 6 Press the STOP (4) button to close the menu screen. EN 18 Inserting and ejecting a microSD card For WS-760M/WS-750M: The "microSD" indicated in the instruction manual refers to both microSD and microSDHC.

This recorder can be used with commercially available microSD cards as well as the built-in memory. · Inserting the microSD card the wrong way or at an angle could damage the contact area or cause the microSD card to jam. · If the microSD card is not inserted all the way, data may not be written to the microSD card. 3 Close the card cover securely. 1 Inserting and ejecting a microSD card Inserting a microSD card 1 While the recorder is during stop mode, open the card cover.

· When you insert the microSD card, the recording media changeover display will appear. 2 Face the microSD card the correct way and insert it into the card slot as shown in the diagram. · Insert the microSD card keeping it straight. 4 When you are recording to a microSD card, press the + or - button and select [Yes]. 5 Press the OK ⁄MENU button to complete the setting. EN 19 Inserting and ejecting a microSD card Notes · It is possible to switch the recording media over to the built-in memory (P.47, P.57). · In some cases microSD card which have been formatted (initialized) by another device, such as a computer, cannot be recognized. Be sure to format them with this recorder before using (P.

63). 3 Close the card cover securely. Notes · Releasing your finger quickly after pushing the microSD card inward may cause it to eject forcefully out of the slot. · Before inserting the microSD card, turn off the write protection function. Check the Olympus website regarding microSD cards which are confirmed operation with this recorder. · This recorder may not recognize correctly on some microSD cards which are not compatible with this recorder. · In the case when the microSD card cannot be recognized, remove the microSD card then put it in again to see if this recorder recognizes the microSD card. · The processing performance reduces in a microSD card when you repeat writing and delete. In this case, format the microSD card (P.63).

1 Inserting and ejecting a microSD card EN Ejecting a microSD card 1 While the recorder is during stop mode, open the card cover. 2 Push the microSD card inward to unlock it, and let it eject partially. · The microSD card is visibly out of the slot and can be removed safely. · If you eject the microSD card when the memory is selected to [microSD Card], it will automatically changed to [Built-in Memory Selected]. 20 [Home] display operations For WS-760M/WS-750M: As well as an voice recorder and a music player, you can also use the recorder as a radio*.

* For WS-760M only. +- button OK ⁄MENU button When [Music] is selected: The recorder will go into [Music] mode, and you will able to playback music files transferred to the recorder (P.31). When [Recorder] is selected: The recorder will go into [Recorder] mode. You will be able to record and playback files recorded by the recorder (P.

25, P.31). 1 [Home] display operations LIST button 1 Press the LIST button repeatedly to set the [Home] display. · [Home] will appear on the display. When [FM Radio]* is selected: The recorder will go into [FM Radio] mode, and you will be able to receive FM radio(P.41, P.42). 2 Press the + or -- button to select the mode. * For WS-760M only 3 Press the OK ⁄MENU button. Note · During recording, you cannot switch the mode without stopping the recorder.

EN 21 Notes on the folders The built-in memory or the microSD card can be used for the recording media (For WS-760M, WS-750M only). The voice files and the music files are separated into folders for voice recordings and folders for music playback that are organized in a branching tree-style and saved. About the folders for voice recordings 1 Notes on the folders EN [Folder A] - [Folder E] within the [Recorder] folder are the folders for voice recordings. When recording with this recorder, select any one of the five folders and then record. You can change the mode on the [Home] display (For WS-760M, WS-750M only). Home Folder File Recorder Folder A Folder B Folder C Folder D Folder E 001 002 003 004 200 Becomes destination for microphone recording. Each folder can store up to 200 files. Radio Folder When you record from the radio, the recording will be stored automatically in the [Radio Folder] folder (For WS-760M only). 22 Note · Files or folders located under the folder [Recorder] will not be indicated on the recorder. Notes on the folders About the folder for music playback For WS-760M/WS-750M: When transferring music files to the device using Windows Media Player, a folder is automatically created within the music playback folder which has a layered structure as shown in the diagram below.

Music files that are in the same folder can be rearranged in preferential order and replayed (P.59). 1 Notes on the folders Home First layer Second layer Music Artist 01 Album 01 001 002 Artist 02 Album 02 003 Artist 03 Album 03 004 200 Each folder can store up to 200 files. Up to 300 folders can be created under the [Music] folder, including [Music].

Folder EN File 23 Selecting the folders and files Change folders while the operation is stopped or played back.
For information on the layered structure of the folders, see the section entitled "Notes on the folders" (P.22, P.23). [Home] display* Operation of the folders for voice recordings 1 Example: WS-760M Folder list display File list display File display Selecting the folders and files EN Operation of the folders for music playbacks* Folder list display Folder list display (First layer) Folder list display (Second layer) File list display File display Moving through the levels [Home] display*: Allows the mode of the recorder to be changed (P.21).
} Return: LIST button Each time you press this it returns up one level. The list display can be operated by the 0 button. · When you press and hold the LIST button while moving in a hierarchy of folders, it will return to the file display. File display: Information of the selected file is displayed. Enters in playback standby mode. List display: The folders and files recorded in this recorder are displayed. * For WS-760M, WS-750M only { Proceed: OK ⁊MENU button Each time you press this it opens the folder or file selected in the list display and proceeds down one level. · The list display screen can be operated by the 9 button. + or button Select the folder or file. 24 About recording Recording Before starting recording, select a folder between [&] to [*].

These five folders can be selectively used to distinguish the kind of recording; for example, Folder [&] might be used to store private information, while Folder ['] might be dedicated to holding business information. a Recording mode b Remaining memory bar indicator c Elapsed recording time d Remaining recording time e Level meter (change according to the recording level and recording function settings) · [Rec Mode] cannot be changed in the recording standby mode or while recording. Configure this while the recorder is stopped (P.47, P.49). 2 Recording STOP (4)button REC (s) button 3 Press the STOP (4) button to stop recording. · [¶] will appear on the display. For WS-760M/WS-750M: · In modes other than [Recorder] mode, [Cannot record in this folder] will appear if you press the REC (s) button. Only record after you have set the mode to [Recorder] mode on the [Home] display (P.21).
· With the WS-760M, you can record FM radio in [FM Radio] mode (P.46). f f File length Notes To ensure that you do not lose the beginning of the recording, only record after confirming that the recording indicator light is lit and checking the mode indicator on the display. When remaining recording time is less than 60 seconds, the recording indicator light starts flashing. When the recording time is decreasing to 30 or 10 seconds, the light flashes faster. [Folder Full] will appear when the recording cannot be made any further. Select on other folder or delete any unnecessary files before recording (P.39). [Memory Full] will appear when the memory is full. Delete any unnecessary files before recording any further (P.
39). · 1 Select the recording folder (P.22 to P.24). 2 Press the REC (s) button to start recording. · The recording indicator light glows and [´] will appear on the display. · Turn the microphone in the direction of the source to be recorded. a b c d e · · · EN 25 Recording For WS-760M, WS-750M only: · We recommend formatting the record media in the recorder before recording (P.63). · When a microSD card is inserted in the recorder, be sure to confirm the recording media as either [Built-in Memory] or [microSD Card] so that there is no mistake (P.

47, P.57). · If the REC (s) button is pressed when a function other than the record function is specified, [Cannot record in this folder] is displayed. Select a folder from [Folder A] through [Folder E] and start recording again. Settings relating to Recording [Mic Sense] (P.47, P.49) [Rec Mode] *1 (P.47, P.49) [Zoom Mic] *2 (P.47, P.
50) [Low Cut Filter] (P.47, P.50) Sets the recording sensitivity. Sets the recording rate for each recording format. Sets the directivity of the builtin stereo microphone @ @Sets the threshold level for the Variable Control Voice Actuator (VCVA).
Sets the start level for voice sync recording. Sets the recording settings which matches the recording condition or environment. Pause While the recorder is during recording mode, press the REC (s) button. 2 Recording EN · [] will appear on the display. · The recorder will time out after 60 minutes when left in [Rec Pause].
Resume Recording: Press the REC (s) button again. · Recording will resume at the point of interruption. To quickly check on the recorded contents While the recorder is during recording mode, press the OK ⁊MENU button. [VCVA] (P.47, P.50) [V-Sync. Rec] (P.47, P.51) [Rec Scene] (P.47, P.

52) *1 For WS-760M (In [FM Radio] mode, the only setting of the [Rec Mode] settings you can change is the recording file format). *2 For WS-760M only. 26 · [·] will appear on the display. · When operating in [Recorder] mode, the last file recorded using the microphone will be play back. · When operating in [FM Radio] mode, the recorder will automatically enter [Recorder] mode, and the last file recorded from the FM radio will play back. Recording Listening while audio is recorded If you start recording after inserting the earphone into the EAR jack on the recorder, you can hear the sound being recorded. The recording monitor volume can be adjusted by pressing the + or - button. Changing the recording scene [Rec Scene] You can easily change the recording settings by selecting the scene which best matches your usage (P.47, P.52).
+- button OK ⁊MENU button Connect the earphone to the EAR jack on the recorder. · After recording has started, you can hear the sound being recorded through the earphone. 2 Recording SCENE/INDEX button To EAR jack 1 While the recorder is during stop mode, press and hold the SCENE/INDEX button. 2 Press the + or - button to select [Rec Scene]. Notes · Recording level cannot be controlled using the volume button.
· When using the earphones, do NOT set the volume too high. Listening at very high volume may lead to hearing loss. · Do not place earphones near a microphone as this may cause feedback. · When the external speaker is connected while recording, there is a risk that audio feedback will occur. 3 Press the OK ⁊MENU button.
4 Press the + or - button to select the recording scene. 5 Press the OK ⁊MENU button. EN 27 Recording Recommended settings by recording condition The recorder is initially set to [ST XQ] (WMA format) mode so that you can make high quality stereo recordings immediately after purchasing it.

The various functions relating to recording can be configured in detail to suit the recording conditions. The following table shows the recommended settings for some example recording conditions. Recording condition Recommended settings [Rec Mode] (P.47, P.49) [Mic Sense] (P.47, P.49) [Low Cut Filter] (P.47, P.50) [Zoom Mic]*1 (P.47, P.50) [+6] 2 Recording EN Lectures in large rooms. Conferences with large crowds. Meetings and business negotiations with a small number of people. Dictation with a lot of background noise. [PCM]: [44.1kHz/16bit]*2 [MP3]: [128kbps] or more [WMA]: [ST XQ] [High] [MP3]: [128kbps] or more [WMA]: [ST XQ] [On] [Middle] [MP3]: [128kbps] [WMA]: [ST XQ] [Off] [WMA]: [HQ] [Low] Set the microphone sensitivity [Off] according to the volume being recorded. Music playing, wild birds singing, [PCM]: [44.1kHz/16bit]*2 and railway sounds. *1 For WS-760M only. *2 For WS-760M, WS-750M only. *3 For WS-650S only. File names will be automatically created for files recorded by this recorder.

WS76 0001 .WMA 1 2 3 1 User ID: The user ID name that has been set on the Digital Voice Recorder. 2 File number: A file number is consecutively assigned regardless of the changes in the recording media. 3 Extension: These are the file name extensions for the recording format when recording with this device. · Linear PCM format* .

WAV · MP3 format .MP3 · WMA format .WMA * For WS-760M, WS-750M only. 28 Recording Recording from external microphone or other devices The external microphone and other devices can be connected and the sound can be recorded. Connect as follows by the device to be used. · Do not plug and unplug devices into the recorder's jack while it is recording. Compact zoom microphone (unidirectional): ME32 The microphone is integrated with a tripod, making it suitable to place on a table and record conferences or lecture from a distance. Highly sensitive noise-cancellation monaural microphone (unidirectional): ME52W This microphone is used to record sound at a distance while minimizing surrounding noise. Tie clip microphone (omni-directional): ME15 Small concealing microphone with a tie-clip. Telephone pickup: TP7 Earphone type microphone can be plugged into your ear while phoning.

The voice or conversation over the phone can be clearly recorded. Notes · The built-in microphone will become inoperable when an external microphone is plugged into the recorder's MIC jack. · Microphones supported by plug-in power can also be used. · When the external stereo microphone is used while [Rec Mode] is set to a monaural recording mode, audio will be recorded to the L channel only (P.47, P.49). · When an external monaural microphone is used while [Rec Mode] is set to a stereo recording mode, it enables recording only with the L channel microphone (P.47, P.49). Recording with external microphone: Connect an external microphone to the MIC jack of the recorder.

2 Recording To MIC jack Applicable external microphones (optional) (P.86) Stereo microphone: ME51S The built-in large-diameter microphone enables sensitive stereo recording. 2 channel microphone (omnidirectional): ME30W These are highly sensitive omnidirectional microphones supported by plug-in power which are well-suited to recording musical performances. Compact Gun Microphone (unidirectional): ME31 The directional microphones useful for recordings such as outdoor recording of wild birds singing. EN 29 Recording Recording the sound of other devices with this recorder: The sound can be recorded when connecting to the audio output terminal (earphone jack) of the other device, and the MIC jack of the recorder with the connecting cord KA333 (optional) for dubbing.

Recording the sound of this recorder with other devices: The sound of this recorder can be recorded to other devices when connected to the audio input terminal (microphone jack) of other devices and the EAR jack of this recorder, with the connecting cord KA333 (optional) for dubbing. 2 Recording EN To MIC jack To audio output terminal of other devices To EAR jack To audio input terminal of other devices Note · The detailed input levels cannot be adjusted with this recorder. When external devices are connected, perform a test recording and then adjust the output level for the external devices. Note · When you adjust the various sound quality settings related to playback on the recorder, the audio output signal sent out from the EAR jack will change as well (P.47, P.53, P.54, P.55). 30 About playback Playback The recorder can playback WAV*, MP3 and WMA format files. To playback a file recorded with other machines, you need to transfer (copy) it from a computer. * For WS-760M, WS-750M only. STOP (4) button 2 Press the OK ⁄MENU button to start playback. · [▸] will appear on the display. a b c d e +- button OK ⁄MENU button For WS-760M/WS-750M: · When you want to playback a file transferred from your PC, set the recorder in [Recorder] or [Music] mode based on where you have transferred the file. · If you want to playback the file you recorded, set the recorder to [Recorder] mode (P.

21). a Recording media indicator*, File name b Folder indicator c Playback position bar indicator d Elapsed playback time e File length * For WS-760M, WS-750M only. 3 Playback 3 Press the + or - button to adjust to a comfortable listening volume. 1 Select the folder which contains the files to be played back (P.22 to P.24). · The volume can be adjusted within a range from [00] to [30]. 4 Press the STOP (4) button at any point you want to stop the playback. · [¶] will appear on the display. · This will stop the file being played back midway.

When the resume function is activated the stopped location will be registered, even if the power is turned off. The next time the power is turned on, playback may be resumed from the registered stopped location. EN 31 Playback Settings relating to playback For WS-650S: For WS-760M/WS-750M: [Play Mode] (P.47, P.54) If recorded audio is difficult to understand because of [Noise Cancel]*1 noisy surroundings, adjust (P.47, P.53) the Noise Cancel setting level. [EUPHONY]*2 (P.47, P.53) The EUPHONY setting can be set to one of 4 levels according to your preference. You can select the playback mode that fits your preference. The recorder has a Voice Filter Function to cut low and high frequency tones during normal, fast, or slow playback, and enable clear audio playback. If you change the equalizer setting, you can enjoy the music with your favorite sound quality. The skip interval length can be set. Playback settings of your choice can be saved to suit different sound qualities and playback methods. To EAR jack You can select the playback mode that fits your preference. The recorder has a Voice Filter Function to cut low and high frequency tones during normal, fast, or slow playback, and enable clear audio playback.

The skip interval length can be set. Playback settings of your choice can be saved to suit different sound qualities and playback methods. [Voice Filter] (P.

47, P.54) 3 Playback EN [Skip Space] (P.47, P.55) [Play Scene] (P.47, P.55) [Play Mode] (P.47, P.54) [Voice Filter]*1 (P.47, P.54) Playback through earphone An earphone can be connected to the EAR jack of the recorder for listening.

· When the earphone is used, the recorder speaker will be switched-off. [Equalizer]*2 (P.47, P.55) [Skip Space] (P.47, P.

55) [Play Scene] (P.47, P.55) *1 Can be operated only in [Recorder] mode. *2 Can be operated only in [Music] mode. Notes · To avoid irritation to the ear, insert the earphone after turning down the volume level.

· When you listen with the earphone during playback, do not raise the volume too much. It may cause hearing impairment and decrease in hearing ability. 32 Playback Forwarding Rewinding While the recorder is during stop mode in the file display, press and hold the 9 button. While the recorder is during stop mode in the file display, press and hold the 0 button. 3 · [β] will appear on the display. · If you release the 9 button, it will stop. Press the OK ⁄MENU button to start playback from where it was stopped. · [TM] will appear on the display. · If you release the 0 button, it will stop. Press the OK ⁄MENU button to start playback from where it was stopped.

Playback While the recorder is during playback mode, press and hold the 9 button. · When you release the 9 button the recorder will resume normal playback. · If there is an index mark or temp mark in the middle of the file, the recorder will stop at that location (P.35). · The recorder stops when it reaches the end of the file. Continue pressing the 9 button to proceed with the cue from the beginning of the next file. While the recorder is during playback mode, press and hold the 0 button. · When you release the 0 button the recorder will resume normal playback. · If there is an index mark or temp mark in the middle of the file, the recorder will stop at that location (P.35).

· The recorder stops when it reaches the beginning of the file. Continue pressing the 0 button to proceed with the review from the end of the previous file. EN 33 Playback Locating the beginning of the file About music file In cases where the recorder is unable to playback music files that have been transferred to it, check to make sure that the sampling rate and bit rate are in the range where playback is possible. Combinations of sampling rates and bit rates for music files which the recorder can playback are given below. 3 Playback EN While the recorder is during stop mode or playback mode, press the 9 button. · The recorder skips to the beginning of the next file. File format WAV* format Sampling frequency 44.1 kHz MPEG1 Layer3: 32 kHz, 44.1 kHz, 48 kHz MPEG2 Layer3: 16 kHz, 22.05 kHz, 24 kHz 8 kHz, 11 kHz, 16 kHz, 22 kHz, 32 kHz, 44.

1 kHz, 48 kHz Bit rate 16 bit While the recorder is during playback mode, press the 0 button. · The recorder skips to the beginning of the current file. MP3 format From 8 kbps up to 320 kbps While the recorder is during stop mode, press the 0 button. · The recorder skips to the beginning of the previous file. If the recorder stop the midway of the file, return to the beginning of the file. WMA format From 5 kbps up to 320 kbps While the recorder is during playback mode, press the 0 button twice. · The recorder skips to the beginning of the previous file. Notes · When you skip to the beginning of the file during playback, the recorder will stop at the position of the index mark and temp mark. The index mark and temp mark will be skipped when you perform the operation in stop mode (P. 35).

· When [Skip Space] set to other than [File Skip], the recorder will skip forward/ reverse the specified time, then will start playback (P.47, P.55). * For WS-760M, WS-750M only. · Variable bitrate MP3 files (in which conversion bitrates can vary) may not playback properly. · For WAV files, this recorder can only playback those in the linear PCM format. WAV files other than these cannot be played back. · This recorder is compatible with Microsoft Corporation DRM9, but not with DRM10. · Even if the file is a compatible format to playback on the recorder, the recorder does not support every encoder. 34 Playback Setting an index mark or a temp mark If index marks and temp marks are placed, you can quickly find a location you want to listen to in fast forward and fast rewind and when cuing a file.

Index marks can only be placed on files created by Olympus voice recorders, but temp marks can be placed instead to temporarily remember desired locations. +- button OK ⁄MENU button Clearing an index mark or a temp mark 1 Locate the index or temp mark you want to clear. 2 Press the 9 or 0 button to select the index or temp mark to erase. 3 Playback 3 While the index or temp number appears for approximately 2 seconds on the display, press the ERASE button. · The index or temp mark is erased.

SCENE/INDEX button 1 While the recorder is during recording mode or playback mode, press the SCENE/INDEX button. · A number appears on the display and an index mark or temp mark will be placed. · Index or temp numbers after the erased index or temp number will automatically move up. Notes · Temp marks are temporary markings, so if you transmit a file to the PC, or move it with a PC, they will be automatically erased. · Up to 16 index and temp marks can be set in a file.

If you try to place more than 16 index or temp marks, [Index Full] message will appear for index marks, and [Temp Mark Full] for temp marks. · Index or temp marks cannot be set or erased in a locked file (P.47, P.49). · Even after an index or temp mark is placed, recording or playback will continue so you can place index or temp marks in other locations in a similar manner. EN 35 Playback Changing the playback speed Change the speed according to need such as listening to meeting content at a fast speed or reviewing spots that you couldn't catch in a language lesson at a slow speed. The tone will be automatically adjusted digitally without changing the voice so it sounds natural. 3 Press the OK ⁄MENU button. a Playback speed indicator a +- button 3 Playback OK ⁄MENU button · Even if playback is stopped, the changed playback speed will be retained. The next playback will be at that speed.

About the limits of fast playback When the sampling frequency of the playback file is 48 kHz or 32 kHz, you cannot play back at 3-times speed. For these frequencies, the maximum fast playback speed is 2-times*. * On the WS-650S, the maximum fast playback is 2-times. 1 While the recorder is during playback mode, press the OK ⁄MENU button.

2 Press the + or - button to select playback speed. Notes · As in normal playback mode, you can stop playback, cue a file, or insert an index mark in slow playback and fast playback modes as well (P.35). · The slow playback or fast playback is available even if either [Voice Filter] or [Equalizer] is set (P.47, P.54, P.

55). For WS-760M, WS-750M only: · The slow playback or fast playback is not available if either [Noise Cancel] or [EUPHONY] effect is set (P.47, P.53). EN 36 Playback How to begin segment repeat playback This function enables repeated playback of part of the file being played.

3 Press the REC (s) button again at the position where you want to end segment repeat playback. · The recorder repeatedly plays back the segment until the segment repeat playback is cancelled. REC (s) button 3 1 Select a file that has a segment you would like to playback repeatedly, and start playback. 2 Press the REC (s) button at the point you want to start segment repeat playback. · [w] will flash on the display.

Note · As in normal playback mode, playback speed can be changed during segment repeat playback as well (P.36). If an index mark and temp mark are inserted or eliminated during segment repeat playback, segment repeat playback will be canceled and it will return to normal playback mode (P.35). Playback · You can fast forward, rewind, or change playbackspeed as you can operate in normal mode, when [w] is flashing to find the end position (P.33, P.36). · When it reaches to the end of the file while [w] is flashing, the point will become the end position, and repeat playback will start. EN 37 Playback Cancel the segment repeat playback function Pressing any of the following buttons will release the segment repeat playback. Changing the playback scene [Play Scene] When you register playback settings for preferred playback scenes, you can easily change between playback functions (P.

47, P.55). +- button OK ⁄MENU button 3 SCENE/INDEX button Playback EN a Press the STOP (4) button Pressing the STOP (4) button will release segment repeat playback, and stop playback. 1 While the recorder is during stop mode or playback mode, press and hold the SCENE/INDEX button. 2 Press the + or - button to select [Play Scene]. b Press the REC (s) button Pressing the REC (s) button will release segment repeat playback, and playback continues without repeating. c Press the 9 button Pressing the 9 button will release segment repeat playback, and fast forward and cue to the beginning of the next file. Pressing the 0 button will release segment repeat playback, and reverse to the beginning of the current file. d Press the 0 button 3 Press the OK ⁄MENU button. 4 Press the + or - button to select the playback scene.

Example: WS-760M, WS-750M · For WS-650S, you can select from [Voice 1] to [Voice 5]. 38 5 Press the OK ⁄MENU button. Erasing Erasing files A selected file can be erased from a folder. Also, all files in a folder can be erased simultaneously. +- button OK ⁄MENU button 6 Press the OK ⁄MENU button.

· The display changes to [Erase!] and erasing will start. · [Erase Done] is displayed when the file is erased. File numbers will be reassigned automatically. ERASE button 3 Erasing 1 Select the file you want to erase (P.22 to P.

24). 2 While the recorder is during stop mode in the file display, press the ERASE button. 3 Press the + or - button to select [Erase in Folder] or [File Erase]. For WS-760M/WS-750M: You can erase files by deleting folders. Erasing a folder +- button 4 Press the OK ⁄MENU button. 5 Press the + button to select [Start]. OK ⁄MENU button ERASE button 1 Select the folder you want to erase (P.22 to P.24). 2 While the recorder is during stop mode in the folder list display, press the ERASE button.

EN 39 Erasing 3 Press the + button to select [Start]. For WS-760M, WS-750M only: · When an microSD card is inserted in the recorder, be sure to confirm the recording media as either [Built-in Memory] or [microSD Card] so that there is no mistake (P.47, P.57). · It may take over 10 seconds to complete processing. Never perform operations such as the following while processing, as they may damage the data. In addition, replace the battery with a new one in order to ensure that the battery will not run out while processing. 1 Disconnecting the AC Adapter while processing. 2 Removing the battery while processing. 3 Remove the microSD card ard during processing when [microSD Card] is being used as the recording media.

· The default folders of the recorder, namely [Recorder], including [Folder A] to [Folder E] and [Radio Folder]) and [Music] cannot be erased. · In the [Music] folder, all folders except [Music] can be deleted. For WS-650S only: · It may take over 10 seconds to complete processing. Never perform operations such as the following while processing, as they may damage the data. In addition, replace the battery with a new one in order to ensure that the battery will not run out while processing.

1 Disconnecting the AC Adapter while processing. 2 Removing the battery while processing. · You cannot delete folders through the recorder. 4 Press the OK ⁄MENU button. 3 Erasing EN · The display changes to [Erase!] and erasing will start.

· [Erase Done] is displayed when the file is erased. File numbers will be reassigned automatically. 40 Notes · You cannot recover a file once it has been erased. Please check carefully before erasing. · The locked files and files set as read-only cannot be erased (P.47, P.49). · If an action is not selected within 8 seconds, the recorder will return to stop status. · If there is a file that cannot be recognized by the recorder, the file and the folder which contains that file will not be erased. Please connect the record to your PC to erase.

About the FM radio (For WS-760M only) Using the FM radio For WS-760M: Radio reception will vary substantially depending on where you are using the radio. If the reception is poor, adjust the antenna position or orientation, or place the recorder in a location where a radio signal can be easily received, such as by a window. The recorder may not be able to receive the FM signal within or close to buildings Connecting the earphones The supplied earphones function as an FM antenna. You will not be able to receive FM radio signals if the earphones are not connected. 4 Using the FM radio To EAR jack Move to a location where the signal can be easily received. Inside a building, broadcast signals will be more easily received near windows. · Also note that you will not be able to receive radio signals in locations not reached by radio waves, such as areas outside the broadcast region and areas surrounded by mountains. Notes · Even within the broadcast region, radio signals may be difficult to receive in tunnels or underground roads, inside or in the shadow of buildings and apartment blocks covered with a concrete structures, and other similar locations.

You may not be able to get radio reception in these locations. · For best reception, avoid using the radio at the same time as a cellular phone, PC, television or other electrical product.

Such products may cause noise. · If you use the radio while connected to the AC adapter (A514 etc.), noise may be generated. When using the FM radio, be sure to use the battery. EN 41 FM radio mode operations For WS-760M: Adding a radio station to the presets: Change the reception mode to manual reception, and adjust the frequency.

The station you are tuned to can then be added (P.44, P.45). 3 Press the 9 or 0 button to select a station. · You can select a preset station. Plug in the earphones 4 FM radio mode operations EN +- button 9 0 button · You can also select a station which have not been preset. For details, see "Changing the reception mode" (P.44). 1 Set to [FM Radio] mode (P.21). · Change the mode to [FM Radio] mode. 4 Press the + or - button to adjust to a comfortable listening volume. · To stop FM radio reception, press the LIST button to go to the [Home] display. From the [Home] display, you can change to a different mode. · The volume can be adjusted within a range from [00] to [30].

Settings relating to FM radio [Auto-preset] (P.43) [Scan sense] (P.47, P.59) [Output] (P.47, P.59) Automatically adds receivable stations to the presets. Allows you to set the scan sensitivity for auto preset. Allows you to set the audio output of the FM radio. 2 Presetting radio stations. Presetting radio stations automatically: Automatically preset stations to make it easy to tune.

For details, see "Presetting radio stations automatically [Auto-preset]" (P.43). 42 FM radio mode operations Presetting radio stations automatically [Auto-preset] Presetting stations makes it easy to find your desired station. 4 Press the + or button to select [Auto-preset]. 5 Press the OK ⁄MENU button. Plug in the earphones · [Auto-preset] will appear on the display. +- button OK ⁄MENU button · Select [Cancel] and press the OK ⁄MENU button to return to the previous display. 4 FM radio mode operations 1 Set to [FM Radio] mode (P.21). 2 Press and hold the OK ⁄MENU button.

· The menu will appear on the display (P.47) 6 Press the OK ⁄MENU button again. · [Scanning] will appear on the display and scanning will start. When [Preset complete] appears, the scan is complete. 3 Press the OK ⁄MENU or 9 button to move the cursor to the item to set. Note · The preset numbers will be automatically assigned according to frequency. EN 43 FM radio mode operations Changing the reception mode Select the reception mode according to reception conditions. If the signal from the station you are looking for is weak and cannot be detected using Auto Preset, change to manual reception and fine tune the frequency. 1 Perform Steps 1 through 3 from "FM radio mode operations" (P.42).

2 Press the OK ⁄MENU button to select a reception mode. · The reception mode will change on each press of the OK ⁄MENU button Plug in the earphones Preset call mode: · Press the 9 or 0 button to select a preset station. a Preset number 4 FM radio mode operations EN 90 button OK ⁄MENU button a b Auto/Manual mode: · Press the 9 or 0 button to adjust the frequency and receive a signal (Manual reception). · Repeatedly press the 9 or 0 buttons to scan through the receivable stations (Auto reception). b Tuning frequency 44 FM radio mode operations Adding a radio station You can add stations from Auto/Manual reception to the presets. 3 Press the OK ⁄MENU button. · Up to 30 stations can be preset. Plug in the earphones Deleting a radio station +- button OK ⁄MENU button 1 Receive the preset station you wish to erase. 2 Press the ERASE button. 4 FM radio mode operations SCENE/INDEX button 1 Receive a radio station to preset.

· Select [Cancel] and press the OK ⁄MENU button to return to the previous display. 3 Press the OK ⁄MENU button. 2 Press the SCENE/INDEX button. Note · The preset numbers will be automatically assigned according to frequency. · Select [Cancel] and press the OK ⁄MENU button to return to the previous display.

EN 45 Recording FM radio For WS-760M: When recording FM radio: Even if the FM radio sounds good, certain reception conditions may cause noise once the recording has started. To ensure that there are no mistakes with the recording, make a test recording. Also, be sure to record in a location with the best possible reception. Plug in the earphones 4 Press the STOP (4) button to stop recording. REC (s) button · [´] will disappear and the reception display will return.

4 Recording FM radio EN STOP (4) button 1 Receive the broadcast program you wish to record (P.21, P.42). 2 In menu settings relating to FM radio, set [Output] to [Earphones] (P.47, P.59). · If [Output] is set to [Speaker], you will not be able to record. 3 Press the REC (s) button to start recording. a b c d e · When you record FM radio, the recording will be stored automatically in the [FM Radio] folder in the [Recorder] folder. Notes · When recording FM radio, be sure to connect the earphones to the EAR jack.

· When recording FM radio, the file name assigned when recording (P.32) will be appended with a date and time. WS760001_100715_0915.WMA Date: [100715] (2010, July 15) Time: [0915] (9.15 am) 46 · The recording indicator light glows and [´] will appear on the display. a Recording format b Preset number c Tuning frequency d Elapsed recording time e Remaining recording time Menu setting Menu setting method Items in menus are categorized by tabs, so select a tab first and move to a desired item to quickly set it. You can set each menu item as follows. 3 Press the OK ⁄MENU or 9 button to move the cursor to the item to set. +- button 9 0 button OK ⁄MENU button 4 Press the + or - button to move to the item you want to set. 1 While the recorder is during stop mode, press and hold the OK ⁄MENU button.

· The menu will appear on the display. 5 Menu setting method 5 Press the OK ⁄MENU or 9 button. · Moves to the setting of the selected item. 6 Press the + or - button to change the setting (P.49 to P.

64). · Menu items can be set during a recording or playback (P.48). 2 Press the + or - button to move to the tab that contains the item you want to set (P.49 to P.

*64). · You can change the menu display by moving the settings tab cursor. 7 Press the OK ⁄MENU button to complete the setting. · You will be informed that the settings have been established via the screen. EN 47 Menu setting method 4 Setting menu during playback: Function [Property] [Noise Cancel]*2 [EUPHONY]*3 Setting · Pressing the 0 button without pressing the OK ⁄MENU button will cancel the settings and return you to the previous screen.*