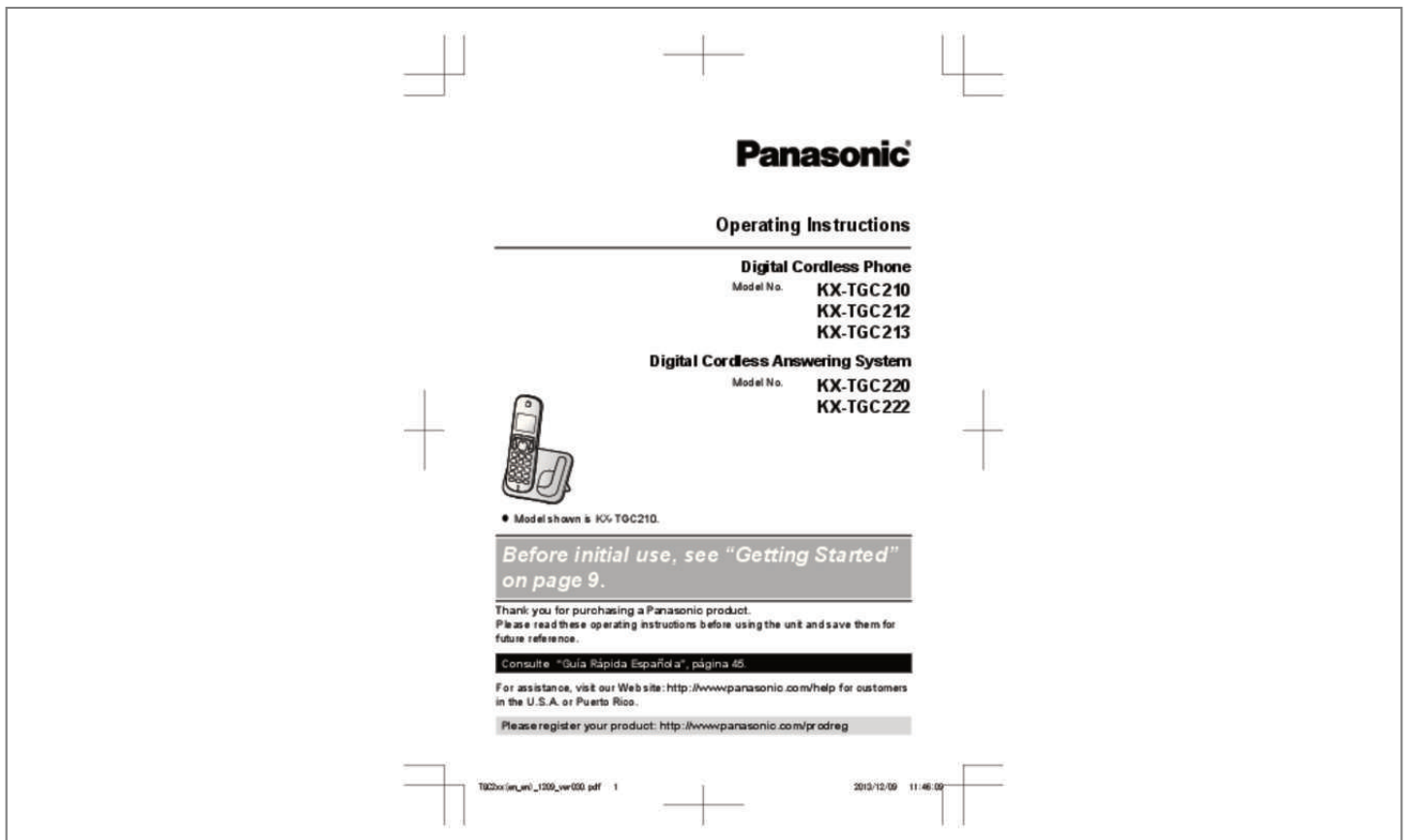




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You can read the recommendations in the user guide, the technical guide or the installation guide for PANASONIC KX-TGC220. You'll find the answers to all your questions on the PANASONIC KX-TGC220 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PANASONIC KX-TGC220
User guide PANASONIC KX-TGC220
Operating instructions PANASONIC KX-TGC220
Instructions for use PANASONIC KX-TGC220
Instruction manual PANASONIC KX-TGC220



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Manual abstract:

thank you for purchasing a Panasonic product. @@@@For assistance, visit our Web site: <http://www.panasonic.com/help> for customers in the U. 14 Useful features during a call . @@@@Accessory item Rechargeable batteries Order number HHR-4DPA*1 R To order, please visit <http://www.panasonic.com/batterystore>

Battery type: – Nickel metal hydride (Ni-MH) – 2 x AAA (R03) size for each handset T-adaptor Range extender *1 *2 KX-J66 KX-TGA405*2 Replacement batteries may have a different capacity from that of the supplied batteries. By installing this unit, you can extend the range of your phone system to include areas where reception was previously not available. This product can be purchased online.

Com/RangeExtender Other information R Design and specifications are subject to change without notice. R The illustrations in these instructions may vary slightly from the actual product. Expanding your phone system Handset (optional): KX-TGDA20 You can expand your phone system by registering optional handsets (6 max.) to a single base unit. R Optional handset is a different design from that of the supplied handsets.

R You cannot purchase the supplied handset (KX-TGCA20) separately. Pdf 4 2013/12/09 11:46:09 Important Information For your safety To prevent severe injury and loss of life/ property, read this section carefully before using the product to ensure proper and safe operation of your product. R Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects. Operating safeguards R Unplug the product from power outlets before cleaning. do not use liquid or aerosol cleaners.

R Do not disassemble the product. r Do not spill liquids (detergents , cleansers , etc.) onto the telephone line cord plug, or allow it to become wet at all. this may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use. WARNING Power connection R Use only the power source marked on the product. R Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock. R Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.

r Regularly remove any dust , etc. From the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire. R Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact us at <http://www.panasonic.com/contactinfo>

R Unplug from power outlets and never touch the inside of the product if its casing has been broken open. R Never touch the plug with wet hands.

danger of electric shock exists. Medical R Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. 93 GHz, and the RF transmission power is 115 mW (max.).) R Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so.

Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy. CAUTION Installation and location R Never install telephone wiring during an electrical storm. R Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations. R Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface. R Use caution when installing or modifying telephone lines.

R The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible. Installation R To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture. R Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident. For assistance, please visit <http://www.panasonic.com>. Pdf 5 2013/12/09 11:46:09 Important Information R This product is unable to make calls when: – the handset batteries need recharging or have failed. □ there is a power failure. Important safety instructions When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following: 1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.

2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning. 3. Do not use the telephone to report a gas leak in the vicinity of the leak. 4. Use only the power cord and batteries indicated in this manual. Check with local codes for possible special disposal instructions. R Do not mix old and new batteries. R Do not open or mutilate the batteries.

Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed. R Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns. R Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.

R Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode. Attention: For best performance Base unit location/avoiding noise The base unit and other compatible Panasonic units use radio waves to communicate with each other. R For maximum coverage and noise-free communications, place your base unit: – at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.

□ away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones. □ facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.) R Coverage and voice quality depends on the local environmental conditions. A nickel metal hydride battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY (1-800-822-8837) for information on how to recycle this battery. Pdf 6 2013/12/09 11:46:09 Important Information R If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.



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Notice for product disposal, transfer, or return R This product can store your private/ confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.
Environment R Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.

R The product should be kept free from excessive smoke, dust, high temperature, and vibration. r The product should not be exposed to direct sunlight. R Do not place heavy objects on top of the product. R When you leave the product unused for a long period of time, unplug the product from the power outlet. R The product should be kept away from heat sources such as heaters, kitchen stoves, etc. It should not be placed in rooms where the temperature is less than 0 °C (32 °F) or greater than 40 °C (104 °F). damp basements should also be avoided. R The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc. R Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

Notice Routine care R Wipe the outer surface of the product with a soft moist cloth. R Do not use benzine, thinner, or any abrasive powder. ENERGY STAR As an ENERGY STAR® Partner, Panasonic has determined that this product meets the ENERGY STAR guidelines for energy efficiency. Dispose of used batteries according to the instructions. For assistance, please visit <http://www>.

Pdf 8 2013/12/09 11:46:09 Getting Started Setting up Connections n Base unit Connect the AC adaptor to the unit by pressing the plug firmly. fasten the cord by hooking it. Connect the AC adaptor to the power outlet. Connect the telephone line cord to the unit, then to the single-line telephone jack (RJ11C) until you hear a click. N Charger Connect the AC adaptor to the power outlet.

R Confirm correct polarities (, 4 1 4 5 3 1 R Follow the directions on the display to set up the unit. R When the batteries are fully charged, “Fully charged” is displayed. Note for battery charging R It is normal for the handset to feel warm during charging. R Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Before cleaning the unit, disconnect from power outlets and any telephone line cords. Clean more often if the unit is exposed to grease, dust, or high humidity. 1 Battery level Icon Battery level High Medium Low Needs charging. Note when setting up Note for connections R The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.) R The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet.

Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected. Empty Panasonic Ni-MH battery performance (supplied batteries) Operation In continuous use Not in use (standby) *1 If eco mode is on. Operating time 10 hours max. *1 6 days max.

*1 During a power failure The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a Panasonic T-adaptor (page 4). note: R Actual battery performance depends on usage and ambient environment. Intelligent eco mode This feature automatically reduces handset power consumption by suppressing handset transmission power when the handset is close to the base unit. r When this feature is activated , is displayed. R Eco mode is turned off when the clarity booster is activated (page 15).

Note for battery installation R Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 6. Pdf 10 2013/12/09 11:46:09 Getting Started Controls Handset F G n Control type Soft keys The handset features 2 soft keys. By pressing a soft key, you can select the feature shown directly above it on the display. Navigator key – MDN, MCN, MFN, or MEN: Scroll through various lists and items.

(Volume: MDN or MCN): Adjust the – receiver or speaker volume while talking. For assistance, please visit <http://www>. (page 24) Handset number Battery level Blocked call (page 25) D E F G HI In use Charge contacts Speaker MjN/MkN VOL. (page 15) Answering system is being used by another handset or the base unit. *1 Someone is using the line.

Line in use *1 KX-TGC220 series: page 3 Language settings Display language You can select either “English” or “Español” as the display language. the default setting is “English”. Display icons Handset display items Item Meaning Within base unit range Out of base unit range The line is in use. R When flashing: The call is put on hold. R When flashing rapidly: An incoming co change the flash time, see page 23. Call share You can join an existing outside call. To join the conversation, press M N when the other unit is on an outside call. Note: R A maximum of 3 parties (including 1 outside party) can join a conversation using 2 extensions. (3-way conference) R To prevent other users from joining your conversations with outside callers, turn call sharing mode off (page 23). For call waiting or Call Waiting Caller ID service users To use call waiting or Call Waiting Caller ID, you must first subscribe with your service provider/telephone company.

This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone. If you subscribe to both Caller ID and Call Waiting with Caller ID services, the 2nd caller's information is displayed on the handset that is in use after you hear the call waiting tone. Transferring calls, conference calls Outside calls can be transferred or a conference call with an outside party can be made between 2 handsets. 1 During an outside call , press MINTERCOMN. When 3 or more handsets are registered: For assistance, please visit <http://www>. A MSELECTN 2 2 When you finish talking, press MOFFN. Wait for the paged party to answer. R If the paged party does not answer, N to return to the outside press M call. The other 2 parties can continue the conversation.

R To put the outside call on hold: MMENUN a MbN: “Hold” a MSELECTN To resume the conference: MMENUN a MbN: “Conf. □ a MSELECTN R To cancel the conference: MMENUN a MbN: “Stop conference” a MSELECTN You can continue the conversation with the outside caller. 3 Intercom Intercom calls can be made between handsets. Note: R When paging unit(s), the paged unit(s) beeps for 1 minute. R If you receive an outside call while talking on the intercom, you hear 2 tones.

To answer the call with the handset, press N. MOFFN, then press M Making an intercom call 1 MINTERCOMN.



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When 3 or more handsets are registered: MbN: Select the desired unit. A MSELECTN When you finish talking, press MOFFN. 2 Answering an intercom call 1 16 Press MINTERCOMN or M the page.

Pdf 16 2013/12/09 11:46:10 Phonebook Key Character T t 9 0 # # W w U u X x 0 V v Y y 8 8 Z z 9 9 Phonebook You can add 50 names (16 characters max.) and phone numbers (24 digits max.) to the phonebook, and assign each phonebook entry to the desired group. Important: R All entries can be shared by any registered handset. 8 Adding phonebook entries 1 2 3 4 5 or MFN a MMENUN MbN: "Add new entry" a MSELECTN Enter the party's name. A MOKN Enter the party's phone number. a MOKN MbN: Select the desired group. A MSELECTN 2 times a MOFFN R To enter another character that is located on the same dial key, first press MEN to move the cursor to the next space. R If you do not press any dial key within 5 seconds after entering a character, the character is fixed and the cursor moves to the next space. R in the above table represents a single space.

Character table for entering names While entering characters, you can switch between uppercase and lowercase by pressing * (A@a). key 1 2 3 4 5 6 7 Character & - A a D d G g J j M m P p ` . B b E e H h K k N n Q q (/ C c F f I i L l O o R r) 1 2 2 3 3 4 4 5 5 6 6 S s 7 7 H , Storing a redial list number to the phonebook Phone numbers of up to 24 digits can be stored in the phonebook. 1 2 3 MEN REDIAL MbN: Select the desired phone number. A MSAVEN To store the name, continue from step 3, "Editing entries", page 18. Storing caller information to the phonebook 1 2 MCN CID MbN: Select the desired entry. R To edit the number: @@To search by group MGROUPN MbN: Select the desired group. a MSELECTN MbN: Scroll through the phonebook if necessary. M N Groups Groups can help you find entries in the phonebook quickly and easily. You can change the names of groups assigned for phonebook entries ("Friends", "Family", etc.

). By assigning different ringer tones for different groups of callers, you can identify who is calling (ringer ID), if you have subscribed to Caller ID service. A MOKN Edit the phone number if necessary. A MOKN MbN: Select the desired group (page 18). A MSELECTN 2 times MOFFN Changing group names/setting ringer ID The default group name is "Group 1" to "Group 9".

1 2 3 4 or MFN a MMENUN Erasing entries Erasing an entry MbN: "Group" a MSELECTN MbN: Select the desired group. A MSELECTN To change group names MbN: "Group name" a MSELECTN a Edit the name (10 characters max.). A MSAVEN To set group ringer tone MbN: Select the current setting of the group ringer tone. MMENUN a MbN: "Erase" a MSELECTN MbN: "Yes" a MSELECTN MOFFN Erasing all entries or MFN a MMENUN MbN: "Erase all" a MSELECTN MbN: "Yes" a MSELECTN MbN: "Yes" a MSELECTN MOFFN 5 Finding and calling from a phonebook entry 1 2 or MFN To scroll through all entries MbN: Select the desired entry.

To search by first character Press the dial key (0 to 9, or #) which contains the character you are searching for (page 17). mbN: Scroll through the phonebook if necessary. Chain dial This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually. Note: R If you edit a phonebook entry which is assigned to a speed dial key, the edited entry does not transfer to the speed dial key. Note: R When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press MDN (Pause) to add pauses after the number and PIN as necessary (page 14). R If you have rotary/pulse service, you need to press * (TONE) before pressing MMENUN in step 1 to change the dialing mode temporarily to tone. When adding entries to the phonebook, we recommend adding * (TONE) to the beginning of phone numbers you wish to chain dial (page 17). Editing an entry 1 2 3 4 5 Press and hold the desired speed dial key (1 to 9). a MMENUN MbN: "Edit" a MSELECTN Edit the name if necessary.

A MOKN Edit the phone number if necessary. A MOKN MSELECTN a MOFFN Erasing an entry 1 Speed dial You can assign 1 phone number to each of the dial keys (1 to 9) on the handset. Press and hold the desired speed dial key (1 to 9). A MMENUN MbN: "Erase" a MSELECTN MbN: "Yes" a MSELECTN MOFFN 2 3 4 Adding phone numbers to speed dial keys n By entering phone numbers: 1 Press and hold the desired speed dial key (1 to 9). A MADDN Viewing an entry/Making a call 1 2 Press and hold the desired speed dial key (1 to 9). To make a call, press M N 2 3 4 5 MbN: "Manual" a MSELECTN Enter the party's name (16 characters max.). A MOKN Enter the party's phone number (24 digits max.). A MOKN MSELECTN a MOFFN n From the shared phonebook: 1 Press and hold the desired speed dial key (1 to 9).

Pdf 19 2013/12/09 11:46:10 Programming Menu list To access the features, there are 2 methods. N Scrolling through the display menus 1 MMENUN 2 3 4 Press MCN or MDN to select the desired main menu. A MSELECTN Press MCN or MDN to select the desired item from the next sub-menus. a MSELECTN Press MCN or MDN to select the desired setting. A MSAVEN n Using the direct command code 1 MMENUN a Enter the desired code.

R In the following table, < > indicates the default settings. R In the following table, indicates the reference page number. R Display menu order and sub-menu may vary depending on your model. Display menu tree and direct command code table Main menu: Operation Viewing the phonebook entry. Pdf 20 2013/12/09 11:46:10 Programming Sub-menu 1 Settings Sub-menu 2 Ring count*2 Settings 2-7 rings <4 rings> Toll saver 1 min <3 min> Greeting only*3 <111> <On> Off -- Code #211 32 Recording time*2 #305 33 Remote code*2 Screen call Answer on*2 Answer off*2 Main menu: Operation Listening to voice mail messages.

Pdf 21 2013/12/09 11:46:10 Programming Sub-menu 1 Set date & time Sub-menu 2 Date and time*2 Alarm Once Daily <Off> <Caller ID auto> Manual -- <On> Off On <Off> -- <On> Off Level 1-4 <2> <On> Off <On> Off On <Off> Settings - Code #101 #720 13 24 Time adjustment*2, *4 Handset name Call block*2 -- First ring*2 Block w/o num*2, *3 (Block calls without phone number) Speed dial Voice mail - Store VM access#*2 (VM: Voice mail) VM tone detect*2 LCD contrast (Display contrast) Key tone Caller ID edit (Caller ID number auto edit) Auto talk*7 --- #226 #104 #217 #173 #240 - 26 25 25 25 #261 #331 #332 #145 #165 #214 19 34 34 -- 27 - #200 14 22 For assistance, please visit <http://www>.



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Pdf 22 2013/12/09 11:46:10 Programming Sub-menu 1 Set tel line Sub-menu 2 Set dial mode*2 Set flash time*2, *8 Settings Pulse <Tone> 900 ms <700 ms> 600 ms 400 ms 300 ms 250 ms 200 ms 160 ms 110 ms 100 ms 90 ms 80 ms A <On> Off -- <English> Español <English> Español Code #120 #121 13 15 Set line mode*2, *9 Call sharing*2 Registration Change language – Register handset Deregistration*3 Display Voice prompt*1, *2 Main menu: Operation Displaying customer support Web address. *1 *2 *3 *4 “Customer support”#122 #194 #130 #131 #110 #112 – 15 26 26 12 12 Code #680 – *5 *6 *7 KX-TGC220 series: page 3. If you program these settings using one of the units, you do not need to program the same item using another unit. This menu is not displayed when scrolling through the display menus. It is only available in direct command code. This feature allows the unit to automatically adjust the date and time each time caller information including date and time is received. To turn this feature on, select “Caller ID auto”. To turn this feature off, select “Manual”. (Caller ID subscribers only) To use this feature, set the date and time first (page 13).

if you subscribe to a distinctive ring service (such as IDENTA-RING), select a tone (tone 1 to 2). If you select a melody, you cannot distinguish lines by their ringers. The preset melodies in this product (“Tone 3” - “Tone 5”; “Melody 1” - “Melody 10”) are used with permission of © 2012 Copyrights Vision Inc. If you subscribe to a Caller ID service and want to view the caller’s information after lifting up the handset to answer a call, turn off this feature. For assistance, please visit <http://www.pdf23.com>. Pdf 23 2013/12/09 11:46:10 Programming *8 *9 The flash time depends on your telephone exchange or host PBX. contact your PBX supplier if necessary. The setting should stay at “700 ms” unless pressing MFLASHN fails to pick up the waiting call. Generally, the line mode setting should not be changed. This setting automatically maintains receiver volume at the proper level depending on the current telephone line condition. Set the line mode to “A” if telephone line condition is not good. Alarm An alarm sounds at the set time for 3 minutes once or daily. Alarm can be set for each handset. @@Silent mode Silent mode allows you to select a period of time during which the handset and/or base unit will not ring for outside calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping. Silent mode can be set for each unit. @@R We recommend turning the base unit ringer off (page 14) in addition to turning the silent mode on. R If you have set the alarm, the alarm sounds even if the silent mode is turned on. An alarm sounds once at the set time. An alarm sounds daily at the set time. Enter the desired hour and minute you wish to start this feature. *: Select “AM” or “PM”. A MOKN Enter the desired hour and minute you wish to end this feature. *: Select “AM” or “PM”. MSAVEN a MOFFN 3 4 5 6 Enter the desired month and date. A MSELECTN R We recommend selecting a different ringer tone from the one used for outside calls. MSELECTN a MOFFN 3 4 5 6 7 7 Note: R To stop the alarm, press MOFFN or place the handset on the base unit or charger. R When the handset is in use, the alarm will not sound until the handset is in standby mode. Changing the start and end time 1 2 MMENUN#237 Continue from step 3 “Turning silent mode on/off”, page 24. Pdf 24 2013/12/09 11:46:10 Programming Call block This feature allows the unit to reject calls when: – the unit receives a call from a phone number stored in the call block list as unwanted (“Storing unwanted callers”, page 25).

□ the unit receives a call without phone number (“Blocking incoming calls that have no phone number”, page 25). When a call is received, the unit rings briefly*1 while caller information is being received. If the caller’s phone number matches an entry in the call block list, the unit emits no sound to the caller, and disconnects the call. (Caller ID subscribers only) *1 This is called first ring. If you do not want the first ring to sound, turn this setting to “Off” (page 25). Important: R Rejected calls are logged in the caller list. 8 MSAVEN a MOFFN n By entering phone numbers: MMENUN#217 MMENUN a MbN: “Add” a MSELECTN Enter the phone number (24 digits max. MSAVEN a MOFFN 1 2 3 4 Blocking incoming calls that have no phone number You can reject calls when no phone number is provided, such as private callers or out of area calls. 1 2 MMENUN#240 MbN: Select the desired setting. A MSAVEN a MOFFN Setting the first ring for the call block list If you do not want the first ring from a number on the call block list to sound, turn the first ring setting to “Off”. the default setting is “On”. Storing unwanted callers You can store up to 30 phone numbers in the call block list. important: R We recommend storing 10 digits (including the area code). If only 7 digits are stored, all numbers that have the same last 7 digits will be blocked. N From the caller list: 1 2 MMENUN#173 MbN: Select the desired setting. a MSAVEN a MOFFN 1 2 MCN CID MbN: Select the entry to be blocked. R To edit the number: MMENUN a MbN: “Edit” a MSELECTN Press MEDITN repeatedly until the phone number is shown in the 10-digit format. MMENUN MbN: “Save CID” a MSELECTN MbN: “Call block” a MSELECTN MbN: “Yes” a MSELECTN Edit the phone number if necessary (24 digits max.). Viewing/editing/erasing call block numbers 1 2 3 MMENUN#217 MbN: Select the desired entry.

A MSAVEN a MOFFN To erase a number: MERASEN a MbN: “Yes” a MSELECTN a MOFFN Note: R When editing, press the desired dial key to add, MCLEARN to erase. R When viewing, “Block w/o num” is displayed if the blocking incoming calls For assistance, please visit <http://www.pdf25.com>. Pdf 25 2013/12/09 11:46:10 Programming without phone number feature is turned on. To turn the feature off: MERASEN a MCN a MSAVEN a MOFFN 2 Other programming Changing the handset name Each handset can be given a customized name (“Bob”, “Kitchen”, etc.). This is useful when you make intercom calls between handsets. You can also select whether or not the handset name is displayed in standby mode. the default setting is “No”. If you select “Yes” without entering any handset name, “Handset 1” to “Handset 6” is displayed. base unit: Press and hold MLOCATORN for about 5 seconds.

R If all registered handsets start ringing, press MLOCATORN again to stop, then repeat this step. Handset: Press MOKN, then wait until a long beep sounds.



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3 Deregistering a handset A handset can cancel its own registration to the base unit, or other handsets registered to the same base unit. This allows the handset to end its wireless connection with the system. A MSELECTN 2 times a MOFFN MMENUN#131 R All handsets registered to the base unit are displayed. MbN: Select the handset you want to cancel. A MSELECTN MbN: "Yes" a MSELECTN a MOFFN Registering a unit Operating additional units Additional handsets Up to 6 handsets can be registered to the base unit. Important: R See page 4 for information on the available model. Registering a handset to the base unit The supplied handset and base unit are pre-registered. If for some reason the handset is not registered to the base unit, re-register the handset.

To use Caller ID features, you must subscribe to a Caller ID service. Contact your service provider/telephone company for details. Caller list @@ Caller ID features When an outside call is being received, the caller information is displayed. Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest. @@@@ contact your PBX supplier.

@@@@@The display shows "Missed call". @@@@@@For assistance, please visit <http://www.@@@@@>This feature can be set for each unit (page 22). the default setting is "On". @@@@@@Greeting message When the unit answers a call, a greeting message is played to callers.

You can use either: – your own greeting message – a pre-recorded greeting message Memory capacity (including your greeting message) The total recording capacity is about 17 minutes. a maximum of 64 messages can be recorded. Note: R When message memory becomes full: – "Messages full" is shown on the handset display. □ The ANSWER ON/OFF indicator on the base unit flashes rapidly if the answering system is turned on. □ If you use the pre-recorded greeting message, the unit automatically switches to another pre-recorded greeting message asking callers to call again later. □ If you recorded your own greeting message, the same message is still announced to callers even though their messages are not recorded. Recording your greeting message 1 2 3 MMENUN#302 MbN: "Yes" a MSELECTN After a beep sounds, hold the handset about 20 cm (8 inches) away and speak clearly into the microphone (2 minutes max. A MOFFN 4 Using a pre-recorded greeting message The unit provides 2 pre-recorded greeting messages: – If you erase or do not record your own greeting message, the unit plays a pre-recorded greeting asking callers to leave a message. □ If the message recording time (page 33) is set to "Greeting only", callers' messages are not recorded and the unit plays a different pre-recorded greeting message asking callers to call again. Turning the answering system on/off Base unit Press MANSWER ON/OFFN to turn on/off the answering system.

For assistance, please visit <http://www. Pdf 29 2013/12/09 11:46:10> Answering System Resetting to a pre-recorded greeting message If you want to use a pre-recorded greeting message once you record your own greeting message, you need to erase your own greeting message. Erasing all messages Press MERASEN 2 times while the unit is not in use. Using the handset When new messages have been recorded, "New message" is displayed. 1 2 MMENUN#304 MYESN a MOFFN 1 Playing back the greeting message 1 2 MMENUN#303 To exit , press MOFFN. To listen to new messages: MMENUN#323 To listen to all messages: MMENUN#324 When finished, press MOFFN. 2 Note: R You can also use the MPLAYN soft key, if displayed, to play new messages. r To switch to the receiver , press M N. Listening to messages Using the base unit When new messages have been recorded: – M N on the base unit flashes. Press M R If new messages have been recorded, the base unit plays back new messages.

R If there are no new messages, the base unit plays back all messages. Operating the answering system MMENUN a MbN: "Answering device" a MSELECTN Key MDN or MCN 1 or MFN 2 or MEN 3 4 5 6 7 6 8 MPAUSEN 9 or MSTOPN 0 *4*3 *5 Operation Adjust the receiver/speaker volume (during playback) Repeat message (during playback)*1 Skip message (during playback) Enter the "Settings" menu Play new messages Play all messages Play greeting message Record greeting message Turn answering system on Pause message*2 Stop recording Stop playback Turn answering system off Erase currently playing message Erase all messages Operating the answering system during playback Key MjN or MkN M M N N N (STOP) Operation Adjust the speaker volume Repeat message*1 Skip message Stop playback Erase currently playing message MERASEN *1 If pressed within the first 5 seconds of a message, the previous message is played. Pdf 30 2013/12/09 11:46:11 Answering System Key *6 *1 *2 *3 Operation Reset to a pre-recorded greeting message Important: R To prevent unauthorized access to this product, we recommend that you regularly change the remote code. If pressed within the first 5 seconds of a message, the previous message is played. To resume playback: MbN: "Playback" a MSELECTN You can also erase as follows: MPAUSEN a MbN: "Erase" a MSELECTN a MbN: "Yes" a MSELECTN 1 2 3 MMENUN#306 Enter the desired 3-digit remote access code.

Calling back (Caller ID subscribers only) 1 2 1 2 3 Press MPAUSEN during playback. mbN: "Call back" a MSELECTN Press MPAUSEN during playback. MbN: "Edit & Call" a MSELECTN Press MEDITN repeatedly until the phone number is shown in the desired format (page 27). A M N n Editing the number before calling back Using the answering system remotely 1 2 3 4 Dial your phone number from a touch-tone phone. After the greeting message starts, enter your remote access code.

Follow the voice guidance prompts as necessary or control the unit using remote commands (page 32). when finished , hang up. Erasing all messages 1 2 MMENUN#325 MbN: "Yes" a MSELECTN a MOFFN Voice guidance n When the English voice guidance is selected During remote operation, the unit's voice guidance starts and prompts you to press 1 to perform a specific operation, or press 2 to listen to more available operations. N When the Spanish voice guidance is selected To start the voice guidance, press 9. The voice guidance announces the available remote commands (page 32). Note: R If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call. Remote operation Using a touch-tone phone, you can call your phone number from outside and access the unit to listen to messages or change answering system settings. The unit's voice guidance prompts you to press certain dial keys to perform different operations. Remote access code A 3-digit remote access code must be entered when operating the answering system remotely. This code prevents unauthorized parties from listening to your messages remotely.



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the default setting is "111". For assistance, please visit <http://www.Pdf 31 2013/12/09 11:46:11 Answering System Remote commands> You can press dial keys to access certain answering system functions without waiting for the voice guidance to prompt you. Key 1 2 4 5 9 0 *4 *5 *# *1 *2 *3 Operation Repeat message (during playback)*1 Skip message (during playback) Play new messages Play all messages Stop playback*2 Start voice guidance*3 Turn answering system off Erase currently playing message Erase all messages End remote operation (or hang up) Answering system settings Call screening While a caller is leaving a message, you can listen to the call through the handset's speaker. To adjust the speaker volume, press MDN or MCN repeatedly. You can answer the call by pressing M N. Call screening can be set for each handset. A MSAVEN a MOFFN Number of rings before the unit answers a call You can change the number of times the phone rings "Ring count" before the unit answers calls. You can select 2 to 7 rings, or "Toll saver". the default setting is "4 rings".

□Toll saver": The unit's answering system answers at the end of the 2nd ring when new messages have been recorded, or at the end of the 5th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 31), you know that there are no new messages when the phone rings for the 3rd time. You can then hang up without being charged for the call. If pressed within the first 5 seconds of a message, the previous message is played. For English voice guidance only For Spanish voice guidance only Turning on the answering system remotely 1 2 3 Dial your phone number from a touch-tone phone.

Enter your remote access code within 10 seconds after the long beep. r The greeting message is played back. R You can either hang up, or enter your remote access code again and begin remote operation (page 31). 1 2 MMENUN#211 MbN: Select the desired setting. A MSAVEN a MOFFN For voice mail service subscribers If you subscribe to a flat-rate service package that includes Caller ID, call waiting, voice mail, and unlimited local/regional/long distance calls, please note the following: R To use the voice mail service provided by your service provider/telephone company rather than the unit's answering system, turn off the answering system (page 29).

Pdf 32 2013/12/09 11:46:11 Answering System R To use this unit's answering system rather than the voice mail service provided by your service provider/telephone company, please contact your service provider/ telephone company to deactivate your voice mail service. If your service provider/telephone company cannot do this: – Set this unit's "Ring count" setting so that this unit's answering system answers calls before the voice mail service of your service provider/ telephone company does. It is necessary to check the number of rings required to activate the voice mail service provided by your service provider/telephone company before changing this setting. □ Change the number of rings of the voice mail service so that the answering system can answer the call first. To do so, contact your service provider/ telephone company. Caller's recording time You can change the maximum message recording time allowed for each caller. A MSAVEN a MOFFN Selecting "Greeting only" You can select "Greeting only" which sets the unit to announce a greeting message to callers but not record messages. select "Greeting only" in step 2 on "Caller's recording time", page 33. Note: R When you select "Greeting only": – If you do not record your own message, the unit will play the pre-recorded greeting-only message asking callers to call again later. □ If you use your own message, record the greeting-only message asking callers to call again later (page 29).

For assistance, please visit <http://www.Pdf 33 2013/12/09 11:46:11 Useful Information Voice mail service> Voice mail is an automatic answering service offered by your service provider/telephone company. After you subscribe to this service, your service provider/telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/telephone company, not your telephone. Please contact your service provider/telephone company for details of this service. Important: R To use the voice mail service provided by your service provider/telephone company rather than the unit's answering system, turn off the answering system (page 29). For details, see page 32. To erase the voice mail access number 1 2 MMENUN#331 Press and hold MCLEAR until all digits are erased. A MSAVEN a MOFFN Voice mail (VM) tone detection Your service provider/telephone company sends special signals (sometimes called "voice mail tones" or "stutter tones") to the unit to let you know you have new voice mail messages. If you hear a series of dial tones followed by a continuous dial tone after you N, you have new voice mail press M messages.

Soon after you hang up a call or after the phone stops ringing, your unit checks the phone line to see if new voice mail messages have been recorded. Turn this feature off when: – You do not subscribe to voice mail service. □ Your service provider/telephone company does not send voice mail tones. – Your phone is connected to a PBX. If you are not sure which setting is required, contact your service provider/telephone company.

Storing the voice mail (VM) access number In order to listen to your voice mail messages, you must dial your service provider/telephone company's voice mail access number. Once you have stored your voice mail access number, you can dial it automatically (page 34). Enter your access number (24 digits max.). A MSAVEN a MOFFN Note: R When storing your voice mail access number and your mailbox password, press MDN (Pause) to add pauses (page 14) between the access number and the password as necessary.

Contact your service provider/telephone company for the required pause time. A MSAVEN a MOFFN Listening to voice mail messages The unit lets you know that you have new voice mail messages in the following way: – "New Voice Mail" is displayed if message indication service is available. Pdf 34 2013/12/09 11:46:11 Useful Information Note: R You can also use the MVMN soft key, if displayed, to play new voice mail messages. R If the handset still indicate there are new messages even after you have listened to all new messages, turn it off by pressing and holding # until the handset beeps. Wall mounting (Charger only) Note: R Make sure that the wall and the fixing method are strong enough to support the weight of the unit. Drive the screws (1) (not supplied) into the wall. Cause/solution R The handset has lost communication with the base unit.



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Move closer to the base unit and try again. R Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.

R Other units are in use and the system is busy. try again later. R The handset you are using is too far from the base unit. Move closer and try again. R You have not stored the voice mail access number. store the number (page 34). R The supplied telephone line cord has not been connected yet or not connected properly. R There is no handset registered to the base unit matching the handset number you entered. R The handset is not registered to the base unit. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed.

r A wrong type of battery such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 6. Busy Call phone company for your access # Check tel line Error! Pdf 36 2013/12/09 11:46:11 Useful Information Troubleshooting If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor, then reconnect the base unit's AC adaptor. Remove the batteries from the handset, and then insert the batteries into the handset again. General use Problem The handset does not turn on even after installing charged batteries. The unit does not work. Cause/solution R Place the handset on the base unit or charger to turn on the handset. Make sure the batteries are installed correctly (page 9). Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.

R The handset has not been registered to the base unit. register the handset (page 26). R R R R R The base unit's AC adaptor or telephone line cord is not connected. check the connections. R Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider/telephone company. i cannot hear a dial tone. Menu list Problem The display is in a language I cannot read. i cannot register a handset to a base unit.

Cause/solution R Change the display language (page 12). R The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 26). For assistance, please visit <http://www.pdf37.2013/12/09.11> Useful Information Problem I fully charged the batteries, but still flashes, -- is displayed, or -- the operating time seems to be shorter. Cause/solution R Clean the battery ends (,) and the charge contacts with a dry cloth and charge again. R It is time to replace the batteries (page 9). making/answering calls , intercom Problem is displayed.

Cause/solution R The handset is too far from the base unit. R The handset is not registered to the base unit. register it (page 26). R You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference. R Move closer to the base unit. R If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack.

Contact your DSL/ADSL provider for details. Turn it off (page 24). R Make sure that you have long distance service. Noise is heard, sound cuts in and out. The handset does not ring.

The base unit does not ring. i cannot make a call. I cannot make long distance calls. Contact your service provider/telephone company for details. R If your unit is connected to any additional telephone equipment such as a Caller ID box or cordless telephone line jack, plug the unit directly into the wall jack. R If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details. R The name display service may not be available in some areas. Contact your service provider/telephone company for details. R Other telephone equipment may be interfering with this unit.

Disconnect the other equipment and try again. R Depending on your service provider/telephone company, the unit may display the caller's information at the 2nd ring or later. R Move closer to the base unit. R The Caller ID number auto edit feature is turned off. Turn it on and try again (page 22). R You need to call back the edited number to activate Caller ID number auto edit. R The phone number you dialed might have been edited incorrectly (for example, the long distance "1" or the area code is missing). Edit the phone number with another pattern (page 27). R Incorrect time information from incoming Caller ID changes the time. set the time adjustment to "Manual" (off) (page 22).

R In order to use Caller ID, call waiting, or Call Waiting Caller ID (CWID), you must first contact your service provider/telephone company and subscribe to the desired service. After subscribing, you may need to contact your service provider/telephone company again to activate this specific service, even if you already subscribed to both Caller ID and Call Waiting with Caller ID services (CWID). caller information is displayed late. The caller list/incoming phone numbers are not edited automatically. I cannot dial the phone number edited in the caller list.

Time on the unit has shifted. The 2nd caller's information is not displayed during an outside call. For assistance, please visit <http://www.pdf39.2013/12/09.11> Useful Information Answering system Problem The unit does not record new messages. R Your service provider/telephone company's voice mail service may be answering your calls before the unit's answering system can answer your calls.

Change the unit's number of rings setting (page 32) to a lower value, or contact your service provider/telephone company. R You are entering the wrong remote access code. If you have forgotten your remote access code, enter the remote access code setting to check your current code (page 31). R If the first ring is turned off, the number of rings decreases by 1 from the specified number of rings. I cannot operate the answering system remotely. The unit does not emit the specified number of rings. Voice mail Problem "New Voice Mail" is shown on the handset display. How do I remove this message from the display?

Cause/solution R This notification is displayed when your service provider/ telephone company's voice mail service (not the unit's answering system) has recorded a message for you. Typically you can remove this notification from the display by listening to the message. To listen to the message, dial the voice mail number provided by your service provider/ telephone company (for most cases, this will be your own phone number), and follow the voice instructions.

Depending on your service provider/telephone company, you may need to remove all messages from your voice mailbox to remove the notification.



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You can also remove this notification by pressing and holding # until the unit beeps. Pdf 40 2013/12/09 11:46:11 Useful Information Liquid damage Problem Liquid or other form of moisture has entered the handset/base unit. Cause/solution R Disconnect the AC adaptor and telephone line cord from the base unit.

Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use. If the unit does not work properly, contact an authorized service center. Caution: R To avoid permanent damage, do not use a microwave oven to speed up the drying process. For assistance, please visit <http://www>.

Pdf 41 2013/12/09 11:46:11 Useful Information FCC and other information This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom of this equipment is a label that contains, among other information, a product identifier in the format US:ACJ-----. If requested, this number must be provided to the telephone company. l Registration No. (found on the bottom of the unit) L Ringer Equivalence No.

1B A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with the product. it is designed to be connected to a compatible modular jack that is also compliant. The REN is used to determine the number of devices that may be connected to a telephone line. Excessive RENs on a telephone line may result in the devices not ringing in response to an incoming call.

In most but not all areas, the sum of RENs should not exceed five (5. 0). To be certain of the number of devices that may be connected to a line, as determined by the total RENs, contact the local telephone company. For products approved after July 23, 2001, the REN for the product is part of the product identifier that has the format US:AAEQ##TXXXX. The digits represented by ## are the REN without a decimal point (e. If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary. The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact a Factory Service Center or other Authorized Servicer. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved. Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information. If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this equipment does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer. This equipment is hearing aid compatible as defined by the FCC in 47 CFR Section 68. 316. When you hold the phone to your ear, noise might be heard in your Hearing Aid. Some Hearing Aids are not adequately shielded from external RF (radio frequency) energy.

If noise occurs, use an optional headset accessory or the speakerphone option (if applicable) when using this phone. Consult with your audiologist or Hearing Aid 42 For assistance, please visit <http://www>. Pdf 42 2013/12/09 11:46:11 Useful Information manufacturer about the availability of Hearing Aids which provide adequate shielding to RF energy commonly emitted by digital devices. WHEN PROGRAMMING EMERGENCY NUMBERS AND(OR) MAKING TEST CALLS TO EMERGENCY NUMBERS: 1) Remain on the line and briefly explain to the dispatcher the reason for the call. 2) Perform such activities in the off-peak hours, such as early morning or late evenings.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Privacy of communications may not be ensured when using this phone. CAUTION: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this device. NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: – Reorient or relocate the receiving antenna. □ Increase the separation between the equipment and receiver. □ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. □ Consult the dealer or an experienced radio/TV technician for help. Some cordless telephones operate at frequencies that may cause interference to nearby TVs and VCRs. To minimize or prevent such interference, the base of the cordless telephone should not be placed near or on top of a TV or VCR. If interference is experienced, move the cordless telephone further away from the TV or VCR.

This will often reduce or eliminate interference. FCC RF Exposure Warning: L This product complies with FCC radiation exposure limits set forth for an uncontrolled environment. L To comply with FCC RF exposure requirements, the base unit must be installed and operated 20 cm (8 inches) or more between the product and all person's body. L This product may not be collocated or operated in conjunction with any other antenna or transmitter. L For body-worn operation, the handset must be used only with a non-metallic accessory. Use of other accessories may not ensure compliance with FCC RF exposure requirements. Notice: L FCC ID can be found inside the battery compartment or on the bottom of the units.



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For assistance, please visit <http://www.Pdf43> 2013/12/09 11:46:11 Useful Information Compliance with TIA-1083 standard: Telephone handsets identified with this logo have reduced noise and interference when used with T-Coil equipped hearing aids and cochlear implants. Compatible with Hearing Aid T-Coil T TIA-1083 44 For assistance, please visit <http://www>.

Pdf 48 2013/12/09 11:46:12 Appendix Customer services Customer Services Directory (United States and Puerto Rico) Obtain Product Information and Operating Assistance; locate your nearest Dealer or Service Center; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at: <http://www.Com/contactinfo> For hearing or speech impaired TTY users, TTY: 1-877-833-8855 Accessory Purchases (United States and Puerto Rico) Purchase Parts, Accessories and Owner's Manual online for all Panasonic Products by visiting our Web Site at: <http://www>.) For hearing or speech impaired TTY users, TTY: 1-866-605-1277 For assistance, please visit <http://www.Pdf49> 2013/12/09 11:46:12 Appendix Warranty (For United States and Puerto Rico) Panasonic Telephone Products Limited Warranty Limited Warranty Coverage If your product does not work properly because of a defect in materials or workmanship, Panasonic Corporation of North America (referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("Limited Warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished equivalent value product, or (c) refund your purchase price. The decision to repair, replace or refund will be made by the warrantor.

Parts Labor One (1) Year One (1) Year During the "Labor" Limited Warranty period there will be no charge for labor. @@@@This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. Mail-In Service--Online Online Repair Request To submit a new repair request and for quick repair status visit our Web Site at <http://www.panasonic.Com/repair> When shipping the unit carefully pack in a padded shipping carton, include all accessories, and send it prepaid.

Include a letter detailing the complaint, a return address and provide a day time phone number where you can be reached. Keep the tracking number for your records. A copy of valid registered receipt is required under the 1 year parts and labor Limited Warranty. For Limited Warranty service for headsets if a headset is included with this product please follow instructions above. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, bug infestation, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, introduction of sand, humidity or liquids, commercial use such as hotel, office, restaurant, or other business or rental use of the product, or service by anyone other than a Factory Service Center or other Authorized Servicer, or damage that is attributable to acts of God. (As examples, this excludes damages for lost time, lost calls or messages, cost of having someone remove or re-install an installed unit if applicable, travel to and from the servicer. The items listed are not exclusive, but are for illustration only.) ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY. Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

If a problem with this product develops during or after the Limited Warranty period, you may contact your dealer or Service Center. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor. PARTS AND SERVICE, WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY, ARE YOUR RESPONSIBILITY. When you ship the product L Carefully pack your unit, preferably in the original carton. L Attach a letter, detailing the symptom. I Send the unit to Panasonic Exchange Center, prepaid and adequately insured. L Do not send your unit to Panasonic Corporation of North America listed on the back cover or to executive or regional sales offices. These locations do not repair consumer products. For assistance, please visit <http://www.Pdf51> 2013/12/09 11:46:12 Index Index # A 3-way conference: 15 Additional handset: 26

Alarm: 24 Answering calls: 14 Answering system Call screening: 32 Erasing messages: 30, 31, 32 Greeting message: 29 Greeting only: 33 Listening to messages: 30, 31 Number of rings: 32 Recording time: 33 Remote access code: 31 Remote operation: 31 Ring count: 32 Toll saver: 32 Turning on/off: 29 Auto talk: 14, 22 Battery: 9, 10 Booster (Clarity booster): 15 Call block: 25 First ring: 25 Call share: 15, 23 Call waiting: 15 Call Waiting Caller ID: 15 Caller ID number auto edit: 22, 27 Caller ID service: 27 Caller list: 27 Caller list edit: 27 Chain dial: 18 CID (Caller ID): 27 Conference calls: 15 Control type: 11 Customer support: 23 Date and time: 13 Dialing mode: 13 Direct command code: 20 Display Contrast: 22 Language: 12 Eco mode: 10 Error messages: 36 Flash: 15, 23 Groups: 18 Handset Deregistration: 26 Name: 26 I K L M P R S T B C V W Registration: 26 Hold: 15 Intercom: 16 Key tone: 22 Line mode: 23 Making calls: 14 Missed calls: 27 Mute: 15 Pause: 14 Phonebook: 17 Power failure: 10 Redialing: 14 Ringer ID: 18 Ringer tone: 21 Rotary/pulse service: 15 Silent mode: 24 Speed dial: 19 SP-PHONE (Speakerphone): 14 Temporary tone dialing: 15 Time adjustment: 22 Transferring calls: 15 Troubleshooting: 37 TTY: 49 VM (Voice mail): 34 Voice guidance language: 12 Voice mail: 32, 34 Volume Receiver: 14 Ringer (Base unit): 14 Ringer (Handset): 14, 21 Speaker: 14 Wall mounting: 35 D E F G H 52 TGC2xx(en_en)_1209_ver030.

If your product is not working properly. For your future reference We recommend keeping a record of the following information to assist with any repair under warranty. serial No. (found on the bottom of the base unit) Name and address of dealer Attach your purchase receipt here. .



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