

NSA2010
User Manual

Thank you for trusting your communications needs to the NSA2010. You've selected a high performance, palm-sized cellular phone packed with advanced features you will actually want to use. So whether you're an experienced user or a novice, we encourage you to take the time to familiarize yourself with this User Manual and the operation of your phone.

For a quick start up, see the FAST TALK PRIMER section. But first, please read the SAFETY INFORMATION and BATTERY PRECAUTIONS provided.

SAFETY INFORMATION

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August, 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

American National Standards Institute	ANSI C95.1 (1992)
National Council on Radiation Protection and Measurements (1986)	NCRP Report 86
International Commission on Non-Ionizing Radiation Protection	ICNIRP (1996)

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of your phone complies with the FCC guidelines (and those standards).

COMPLIANCE STATEMENT

THIS DEVICE COMPLIES WITH PART 15 OF FCC RULES AND WITH RSS-210 OF INDUSTRY AND SCIENCE CANADA.

OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

(1) THIS DEVICE MAY NOT CAUSE INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION OF THIS DEVICE.

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

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PHONE OPERATION

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION

For your phone to operate most efficiently:

DO NOT touch the antenna unnecessarily when the phone is in use. Contact with the

antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

DO NOT use the phone if the antenna is damaged; see an approved service center for replacement.

DRIVING

Check the laws and regulations on the use of wireless telephones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

GIVE FULL ATTENTION to driving—driving safely is your FIRST RESPONSIBILITY.

USE HANDS-FREE operation, if available.

PULL OFF THE ROAD and park before making or answering a call if driving conditions so require.

(PUT CTIA SAFETY LOGO AND VERBIAGE HERE)

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

Should **ALWAYS** keep the phone more than six inches from their pacemaker when the phone is turned **ON**.

Should **NEVER** carry the phone in a breast pocket.

Should use the ear **OPPOSITE** the pacemaker to minimize the potential for interference. If you have any reason to suspect that interference is taking place, turn your phone **OFF** immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing aids. In the event of such interference, you may want to consult your service provider (or call the customer service line to discuss alternatives).

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information.

Turn your phone OFF in health care facilities or when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Turn your phone OFF in any facility where posted notices so require.

AIRCRAFT

FCC regulations prohibit using your phone while in the air. Switch OFF your phone before boarding an aircraft.

BLASTING AREAS

To avoid interfering with blasting operations, turn your phone OFF when in a "blasting area" or in areas posted: "TURN OFF TWO-WAY RADIO." Obey all signs and instructions.

POTENTIALLY EXPLOSIVE ATMOSPHERES

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include FUELING AREAS such as gasoline stations; below decks on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemical particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

FOR VEHICLES EQUIPPED WITH AN AIR BAG

An air bag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

BATTERY PRECAUTIONS

Avoid temperature extremes; areas where the temperature is extremely high or low may negatively affect the battery pack.

Avoid areas with extremely high humidity.

Do not expose to moisture, rain, or liquid spills.
Do not drop the phone or battery pack; damage may result.
Do not store or use the phone or battery pack in dusty areas.
Do not disassemble the phone or battery pack.
A new battery pack must be fully charged before use.
If not used, a fully charged battery will discharge in about one month. Fully recharge a stored battery at least once a month.
Store spare battery packs in a dark, cool, dry area.
Avoid shorting battery contacts.
Avoid storing spare battery where coins or other metal objects might touch the battery contacts (for example, in pocket, purse, or briefcase) and create a short circuit.

DISPOSAL OF BATTERY PACK

Please recycle or properly dispose of your rechargeable battery pack.
DO NOT dispose of the battery pack in your municipal waste steam. In many areas it is illegal to dispose of battery packs in the municipal waste stream. Contact your local solid waste officials for information on collection, recycling, and disposal of the battery pack.

FAST TALK PRIMER

(INSERT PHONE, KEYPAD, AND DISPLAY DRAWINGS HERE)

CHARGE THE BATTERY

The NSA2010 contains a rechargeable lithium ion (Li ion) battery that must be charged prior to use.

1. Open the battery cover by pressing the tab on the back of the phone and pulling up, away from the phone. The battery is a separate pack that can be lifted out of the compartment.
2. Remove the battery pack and place it in the charger aligning battery contacts with the charger contacts.
3. Plug the desk charger into any AC outlet (120V); a red light on the unit confirms that charging is in process.

For first time use, charge the battery for nine (9) hours to achieve full charge.

Talktime and standby times vary according to usage; you should expect XX to XXX minutes or talktime OR XX hours of standby time.

After first-time charging, subsequent recharging of the battery takes approximately XX hours.

WARNING: Use only a manufacturer-approved charger and battery pack. Failure to do so may damage your phone.

REMOVING & REPLACING THE BATTERY

Open the battery cover by pressing the tab on the back of the phone and pulling up, away from the phone.

Insert fingertip in the tab area opening and gently lift the battery pack out of the

compartment. DO NOT USE any sharp object to force the battery pack out of the compartment.

To replace the battery pack, insert battery pack into the phone, aligning battery contacts with the contacts on the back of the phone.

Replace the battery cover by inserting the cover's bottom tabs into the phone back, creating a "hinge;" press the top of the cover below the top tab until it clicks closed.

TURNING PHONE ON

Press and hold PWR until display indicators light up. You should now be able to place and receive calls. If not, please review the Tips below.

START UP TIPS: A "No Service" message indicates you are outside of a cellular service area and unable to place or receive calls.

If the display shows "Locked," enter your 4- digit PIN Code. PIN Codes are preset by the manufacturer at "0000." You may change your PIN Code at any time.

If the display shows "Key Protect," press XX + XX to deactivate this feature.

If the display shows "Recall Only" or "Recall Lock," enter your 4-digit PIN Code to deactivate this feature.

For more information on these display messages, refer to the SAFE & SECURE section of this Manual.

TURN PHONE OFF

Press and hold PWR for more than 4 seconds.

PLACE A CALL

Enter the phone number using the keypad.

To erase the last digit entered, lightly press CLR. To erase the entire entry, press and hold CLR.

Press SEND to place the call.

ANSWER A CALL

An audible ring (or vibration) and "Call" message alert you to incoming calls.

Press "Send" or any key and begin your conversation.

END A CALL

Press END.

BATTERY INDICATOR

When the phone is ON, the battery display icon shows battery level as a range from one bar (low) to three bars (high).

SIGNAL STRENGTH INDICATOR

When the phone is ON, the antenna display icon shows signal strength as a range from one bar (weak signal) to three bars (strong signal). One bar indicates that you are in a weak signal area; you may not be able to place or receive calls until you move to an area with a stronger signal presence. You may also see a "No Service" indicator in the display.

BELLS & WHISTLES

The NSA2010 offers many user-selectable features that allow you to tailor phone operation to your individual preferences. An interactive MENU lets you easily navigate the phones features and options.

MENU OPERATION

The Function Menu contains a list of feature headings. Once you select a specific heading, a Sub-Menu is displayed that allows you to choose the feature or function you wish to change.

Press MENU to display the Function Menu headings.

Use the UP and DOWN keys located on the side of the phone to move the cursor and scroll through the Menu headings.

Use SEND as an "ENTER" or "SELECT" key to select a specific heading.

Use CLR to back up one step in the Menu operation.

Use END as an EXIT key to exit any Menu operation.

Once you have selected a specific heading (by pressing SEND), a Sub-Menu will be displayed.

Use the UP and DOWN keys located on the side of the phone to move the cursor and scroll through the Sub-Menu headings.

Use SEND as an "ENTER" or "SELECT" key to select a specific Sub-Menu heading.

Use MEM as a "SAVE" key to save your changes and settings.

Press CLR to back up one step in the process.

Press END to exit a Menu or Sub-Menu operation.

MENU FUNCTIONS

Press MENU. Scroll through and select the desired heading:

1>RING

Allows you to adjust the following Sub-Menu headings:

1>Volume: adjust ringer volume by pressing the UP and DOWN keys located on the side of the phone; or * and # on the keypad will also adjust the volume level.

2>Ring Type: allows you to select desired ringer type from:

1>Standard ring

2>Long ring

3>Chirp sound

4>Custom: use the UP and DOWN keys located on the side of the phone or * and # on the keypad to adjust frequency.

3>Vibrator: allows you to select a vibrating mode or vibrating/ringer combination:

1>Ring Only: uses the Ring Type you have selected; no vibration.

2>Vib Only: vibrates to indicate incoming call; no audible ringer sounds.

3>Vib Ring: vibrates and rings to indicate incoming call.

Always use MEM as a "SAVE" key to save your changes and settings.

Use END to exit a Menu or Sub-Menu operation.

2>DISPLAY

Allows you to customize the appearance of your phone's display.

1>Banner: use the keypad alpha entry capability to personalize the display message (up to 10 characters). For example, press 2 once for "A", twice for "B", and three times for "C". Press * to back up a space, press # to move forward a space.

2>Backlite: adjust the length of time your display backlight remains lit (constant backlighting can drain battery power more quickly):

1>OFF: backlight remains OFF at all times (not recommended for night or minimal light areas).

2>5 secs: backlight remains ON for 5 seconds after the last keystroke.

3>15 secs: backlight remains ON for 15 seconds after the last keystroke.

3>TimeDate: time and date display may be toggled ON or OFF by using the UP and DOWN keys located on the side of the phone.

4>AvailMem: displays space available for storing additional phone numbers into the Phone Book (for example, "Available Entries 99" indicates space exists to store up to 99 phone numbers and names).

5>MyNumber: displays your cellular phone number.

6>ESN: displays the Electronic Serial Number (ESN) for your phone. This number is a manufacturer-set, non-resettable number.

7>Version: displays the software version incorporated in your handset.

Always use MEM as a "SAVE" key to save your changes and settings. For Display Only Sub-Menu items (such as TimeDate, AvailMem, MyNumber, ESN and Version display), press END to exit; pressing MEM in these instances will take you directly to the PHONE BOOK MENU.

Use END to exit a Menu or Sub-Menu operation.

3>TIMER

1>TotalTim: displays the hours, minutes, and seconds of cumulative talktime since the previous reset. Please note that total talktime displayed may vary from your cellular service providers records. Press * to reset the counter to zero.

2>LastCall: displays the hours, minutes, and seconds duration of the last call completed.

Use END to exit these Sub-Menu operations; pressing MEM in these instances will take you directly to the PHONE BOOK MENU.

4>SECURE

1>LockNow
2>ChngCode
3>MemLock
4>LD Lock
5>MemOnly

5>SET UP

1>Ear Vol: increase or decrease earpiece/speaker volume by pressing the UP and DOWN keys located on the side of the phone; or * and # on the keypad will also adjust the volume level.

2>PwrOnTon: audible beep tone that sounds when the phone is turned ON may be toggled ON or OFF by using the UP and DOWN keys located on the side of the phone.

3>Auto Answr: auto answer allows your phone to automatically answer an incoming call after a user-selected number of rings. Toggle ON or OFF by using the UP and DOWN keys located on the side of the phone. When toggled from OFF to ON, input the desired number of rings and press MEM to save. To turn this feature off, toggle to display OFF and press MEM.

4>SetClock: Use the UP and DOWN keys located on the side of the phone to scroll through the Time and Date settings. Use the * and # keys to move the cursor position; use the UP and DOWN keys to adjust the hour, minute, seconds and AM/PM settings and the month, day, and year settings.

5>PIN Edit: enter your current PIN code.

6>PIN Set:

7>Sys Slct:

1>Home
2>A Only
3>B Only
4>A Preferred
5>B Preferred

8>NAM Slct: select the phone number you wish to use by toggling using the UP and DOWN keys located on the side of the phone.

Always use MEM as a "SAVE" key to save your changes and settings.
Use END to exit a Menu or Sub-Menu operation.

System Selection Tips: Each cellular service area has two carriers or service providers, System A and System B. Your phone operates on both systems. When you purchase your phone, you need to register with a local provider to receive a phone number. This becomes your HOME system. When you travel beyond the service area of your HOME system, you are in a ROAM condition (your phone's display shows an "R" icon to advise you that you are ROAMING). When ROAMING, your access to cellular service may be provided by another carrier or service provider (again, either System A or System B). You may choose which system your phone selects. You may wish to consult your cellular service provider to determine the best system selection options for your particular phone usage.

NAM Selection Tips: You may register for cellular service with two different service providers (this is particularly useful for those who travel to the same area frequently). Your phone allows you to select the phone number (or NAM) associated with that area or service provider.

PHONE BOOK FUNCTIONS

Press MEM to display Phone Book Functions. Phone Book Functions include storing, editing and displaying names and numbers stored in the Phone Book Memory.

1>By Name: displays names and location numbers of numbers stored in memory. Use the UP and DOWN keys located on the side of the phone to move the cursor and scroll to the desired name. Press SEND to place a call to that name. Press MEM to view the number.

To EDIT a displayed name, press MEM. Use the UP and DOWN keys located on the side of the phone to toggle between Name and Number; use the CLR or * and # keys to move the cursor to the desired position; used the keypad to make your changes, then press MEM. Use the UP and DOWN keys located on the side of the phone to select:

- 1>Update
- 2>Cancel

Press MEM to save your changes.

2>By Loc: displays location numbers and names of numbers stored in memory. Use the UP and DOWN keys located on the side of the phone to move the cursor and scroll to the desired location. Press SEND to place a call to the number stored in that location. Press MEM to view the number stored in that location.

To EDIT a displayed name, press MEM. Use the UP and DOWN keys located on the side of the phone to toggle between Name and Number; use the CLR or * and # keys to move the cursor to the desired position; used the keypad to make your changes, then press MEM. Use the UP and DOWN keys located on the side of the phone to select:

- 1>Update
- 2>Cancel

Press MEM to save your changes.

3>Insert: allows you to store names and numbers in Phone Book Memory. Press SEND to select this option. The first available memory location is displayed; enter the name using the alpha entry capability of the keypad. For example, press “2” once for “A”, twice for “B”, and three times for “C”. You may move the cursor by pressing * (back one space) or # (forward one space); or wait between entries and the cursor moves forward automatically. Use CLR to erase single entries or press and hold to erase the entire entry. If you experience difficulties, refer to the Key Assignment Chart below. Once you have entered the name, press the DOWN key located on the side of the phone. Enter the desired phone number and press MEM to save.

4>ScratchP: store or view up to 5 names and numbers in temporary memory when the phone is ON, even during a phone conversation. When Scratch Pad Memory is full, the oldest entry is automatically erased when a new entry is made. Scratch Pad Memory is retained even when the phone is turned OFF.

Press CLR to back up one step in the process.

Press END to exit a Phone Book Function or Sub-Menu Function.

(INSERT KEY ASSIGNMENT CHART HERE)

Key Presses				
Key	1st	2nd	3rd	4th
1	Q	Z	1	
2	A	B	C	2
3	D	E	F	3
4	G	H	I	4
5	J	K	L	5
6	M	N	O	6
7	P	R	S	7
8	T	U	V	8
9	W	X	Y	9
0				
<*	moves cursor to the left			
>#	moves cursor to the right			

TURBO SPEED DIALING

Numbers stored in memory may be speed dialed by pressing and holding the appropriate key; for example, press and hold 1 through 8 to automatically dial numbers stored in memory locations 01 through 08. REMINDER: Pressing 0 will dial the operator.

SUPER SPEED DIALING

Numbers stored in memory may be speed dialed by pressing the memory location numbers (01 through 99) and SEND. REMINDER: Pressing 0 will dial the operator.

EMERGENCY DIALING

Emergency calls may be placed at any time regardless of Call Restrictions and Lock settings. Calls cannot be placed if "No Service" appears on the display. Press and hold 9 until "Dialing..." appears in the display; or press MEM and use the UP and DOWN keys located on the side of the phone to display "By Name" or "By Loc" options; press SEND to select. Use the UP and DOWN keys to move the cursor to the 09 Emergency location and press SEND to place the call.

IMPORTANT NOTE: This phone, like all wireless phones, operates using radio signals, wireless and landline networks, as well as user-programmable functions which cannot guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies). Remember that your phone must be powered ON and in an area with adequate signal strength. Please check with your cellular service provider if you have any questions regarding Emergency Dialing.

MAIL FUNCTIONS

Press MAIL (envelope) to display Mail Functions. Mail Functions includes a counter indicator for the number of Text Messages and Voice Mail Messages received.

Use the UP and DOWN keys located on the side of the phone to move the cursor and scroll through all Mail Functions.

Use SEND as an "ENTER" or "SELECT" key to select a specific Mail Function.

Press CLR to back up one step in the process.

Press END to exit a Mail Function or Sub-Menu Function.

Note: Text messaging and voice mail messaging are features offered by cellular carriers.

Please consult your cellular service provider to determine whether these features are available to you.

OTHER FEATURES

MUTING THE MICROPHONE

UNANSWERED CALL INDICATOR

AUTO REDIALING

LINKED DIALING

DTMF DIALING

RECENTLY DIALED NUMBER RECALL

SPECIFICATIONS

[00000000

00000000

Normal

Normal

Heading 1

Heading 1

Default Paragraph Font

Default Paragraph Font

Envelope Address

Envelope Address

Envelope Return

Envelope Return

Body Text Indent

Body Text Indent

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DOCUMENTATION\NSA2010UGDraft1.doc

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Nobuo Yamamoto9C:\My Documents\NSA2010
DOCUMENTATION\NSA2010UGDraft1.doc
Nobuo Yamamoto8C:\WINDOWS\TEMP\AutoRecovery save of
NSA2010UGDraft1.asd
Nobuo Yamamoto:C:\My Documents\NSA2010
DOCUMENTATION\NSA2010UGDraft1A.doc h
Times New Roman
Times New Roman
Symbol
Symbol
Arial Rounded MT Bold
Arial Rounded MT Bold
Tahoma
Tahoma
Mistral
Mistral
NSA2010

NSA2010
Nobuo Yamamoto
Nobuo Yamamoto
Nobuo Yamamoto
Nobuo Yamamoto
NSA2010
Nobuo Yamamoto
Normal
Nobuo Yamamoto
Microsoft Word 8.0
Modus Operandi, Inc.
NSA2010
_PID_GUID
{BC8D2FDE-329D-11D3-8F58-004005708010}
{BC8D2FDE-329D-11D3-8F58-004005708010}
Root Entry
N1Table
WordDocument
WordDocument
SummaryInformation
SummaryInformation
GDraft1A
GDraft1A
DocumentSummaryInformation
DocumentSummaryInformation
CompObj
CompObj
NSA2010UGDraft1è
NSA2010UGDraft1 N
ObjectPool
NSA2010 DOCUMENTATION
NSA201~1
My Documents
MYDOCU~1
My Documents
MYDOCU~1(KN
Microsoft Word Document
MSWordDoc
Word.Document.8