Introduction

INTRODUCTION TO BLUETOOTH TECHNOLOGY

Bluetooth is a short-range digital wireless communication protocol that transmits data via low-power radio waves.   Bluetooth devices operate in a frequency range that has been set aside by an international agreement for use by industrial, scientific, and medical devices (ISM).

Bluetooth divides this designated frequency range into 79 separate frequencies. Bluetooth allows up to eight devices to be connected simultaneously, and avoids interference between devices by using a technique called spread-spectrum frequency hopping, Bluetooth enabled devices will use one of the 79 randomly chosen frequencies, changing from one frequency to another 1,600 times every second.   To provide data security, each Bluetooth enabled device has its own unique address (ID), and can only communicate to other Bluetooth enabled devices that have been authorized and authenticated. The Nomad Bluetooth Speaker Phone is a Class II device,

NOMAD 750 SPECIFICATIONS

Bluetooth version 1.2 compliant (class II), support headset and hands-free profile.

Certification: CE, FCC, BQB

Standby Time: 450 ~ 475 hours

Talk Time: 8 ~ 10 hours

Power Consumption: Standby 1.3mA, Talk 80 ~ 110mA, Paring 30mA, De-Linked 1.23mA

Battery Type / Capacity: Lithium ion / 650mA

Charging Time: from flat to full 2.5 hours

Weight: 81 grams / 2.85 oz (with battery installed)

Dimensions: 133 x 49.5 x 13.9 mm

5.23 x 1.94 x 0.54 inch

Standby time and talk time is subject to phones' and Nomad's settings, usage and environmental conditions; figures above are average value from test results at laboratory.

Quick Start

POWER ON

To power on the Nomad, hold down the multi-function key for 3 seconds, or till you hear an audible tone, and the Blue LED is illuminated.   Then release the multi-function button the Nomad is now powered on.

POWER OFF

If the Blue LED is flashing, press and hold the multi-function button for 3 seconds, until the Red LED lights up and an audible tone is heard.   Then release the multi-function button and the Nomad is powered off.

FACTORY DEFAULT STATE

When the Nomad is powered on for the first time, it will exhibit the below described condition. After power on, the Blue LED will distinguish and the Red LED will be flashing and three short audible tones will be heard.   The Red LED will remain flashing for 2 minutes, and at every minute three short audible tones will be heard. After 2 minutes, a long audible tone will be heard, and the Nomad will power off automatically.   The Nomad will remain this way, until it is paired with a Bluetooth device.

Paring
PAIRING

The Nomad must be paired with your mobile phone before it can be used.   Once the Nomad entered into Pairing Mode, you will have 2 minutes to finish pairing.   If no paring is accomplished within this 2 minute period, the Nomad will power off automatically, and you must repeat the paring procedure described below to pair with your mobile phone.

To pair the Nomad with your mobile phone, first make sure the Nomad is powered off. Select the Bluetooth pairing facility on your mobile phone and search for a new device, then press and continue to hold the multi-function button on the Nomad.   The following sequence will occur: after 3 seconds, the Blue LED will light, and a tone is heard, and after 6 seconds, the Red LED will also light, and another tone is heard. Now release the multi-function button. The Red and Blue LED's will be flashing alternately.   Your mobile phone will display 'Infinia 750 found'.   On your mobile phone, select 'pair devices' and when prompted for a password, enter '0000'.

Once pairing is established, a tone will be heard, the Red LED will switch off, and the Blue LED will flash every 3 seconds until the Nomad is powered off.   (During conversation, the Blue LED will switch to flashing every 15 seconds).   The Nomad is now already for use.   (Always refer to your mobile phone's user manual for detailed instruction on how to pair devices with your mobile phone.)

Note: If the Nomad is not set up in Pairing Mode, your mobile phone cannot detect its presence.   Please make sure that both the Nomad and your mobile phone are in Paring Mode before attempting to pair them.

Making Calls

RECEIVING CALLS

The Nomad will announce incoming calls in two different ways.   With some phones, your phone's selected ring tone will be passed over and heard through Nomad's speaker.   For phones that do not support this feature, Nomad's internal ring tone will be heard through the speaker.   The ring tone's volume can be adjusted using the volume adjustment buttons.   Answer the call by pressing the multi- function button once on Nomad, or use the answer button on your phone.   The function keys on Nomad are illuminated during conversation to facilitate operation of volume and end call function in the dark.

MAKING CALLS

Dial the number using the phone.   For phones that support voice dialing, press the multi-function button once to activate this feature.   When you hear a tone, say the name of the person you wish to dial and the Nomad will remotely activate your phone's voice dialing feature.

LAST NUMBER REDIAL

If your phone supports last number redial, press the multi-function button twice waiting no longer than one second between presses.   The Nomad will instruct your phone to redial the last number called.

Volume Adjustment
VOLUME ADJUSTMENT

When the Nomad is powered up, the default volume is set to half way.   Press the volume up or volume down buttons to adjust the loudness setting and there are four levels of volume adjustment on the Nomad.   The Nomad will remember the current volume setting until it is powered off or reset.

Volume adjustment can be done both in standby mode or during use, during use at maximum and minimum settings, you will hear a special tone.

Speaker volume can also be adjusted using the volume control on your mobile phone, you can use both the phone's and Nomad's volume control to obtain optimum setting.

There is only one volume setting on the Nomad, therefore, the ring tone volume is also governed by the same setting.

Special Functions

MICROPHONE MUTE

To deactivate microphone on the Nomad, press and hold the Mute/Handset button on the side of the Nomad for 3 seconds until the Red LED becomes illuminated.   To reactivate the microphone, press and hold the Mute/Handset button for 3 seconds until the Red LED switches off.   Note: During Microphone Mute, your caller can still speak and be heard through Nomad's speaker.

PRIVATE HANDSET MODE

The Nomad features an exclusive function that allows you to use the Nomad like an ordinary telephone handset.   When you do not want others around you to hear your caller's conversation, simply press the Mute/Handset button once and hold the Nomad to your ear like a phone.   To return to hands free mode, press the Mute/Handset button again.

LINKING

If your mobile phone and the Nomad are apart for more than 10 meters (30 ft) and for more than 30 seconds, the wireless link will be severed.   With some mobile phones, when the devices come back into range, they will be re-connected without user intervention.   Some mobile phones may have to be re-linked manually.   This can be performed from the Nomad by pressing the multi-function button once, then follow the prompt on the mobile to re-link the Nomad to your mobile phone.

Charging
CHARGING NOMAD

The Nomad is equipped with a long life battery that provides up to 475 hours standby time, and 8-10 hours of talk time.   Standby time will be reduced with high talk usage, when the Nomad's internal battery in low on charge, the Red LED will begin to flash every 3 seconds, also three warning tones will be heard every minute.   When this happens, it is necessary to recharge the Nomad.   This can be accomplished by plugging the included travel charger into an AC wall outlet, and connecting the mini USB charging lead of the travel charger into the USB port on the side of the Nomad housing.

The included travel charger uses an auto-switching circuitry, which when used in conjunction with an appropriate AC plug adapter, will enable you to charge the Nomad in any country.   (Optional Car charger Adaptor may also be available from where you purchased Nomad).   The included USB power cord can also be used to charge the Nomad when it is connected to a computer's USB port.

The Red LED on the Nomad will light up during the charge cycle.   Full charge from flat to full takes approximately two and a half hours.   The Nomad uses a commonly available lithium ion battery (Nokia BL-4C or equivalent).   If you are unsure of charging capabilities at your destination, or are unable to charge the Nomad, a separate battery can be prepared beforehand and used as a replacement.

Unlike some other Bluetooth products, the Nomad can still be used during recharging.

Miscellaneous

SETTINGS RESET

Pressing the volume up and volume down buttons at the same time for more than 10 seconds, the Blue and Red LED will flash alternatively; release the volume up and down buttons, the LED's will remain flashing.   Press and hold the volume buttons again for 2 seconds, two audible tones will be heard, and the Nomad will power off automatically,   At this time the Nomad is cleared of all pairing settings and returned to factory default state.

CHANGING BATTERY

To change the Nomad's battery, slide open the battery cover to remove battery, when installing new battery make sure the metal contacts on the battery are lined up with grey arrow's position shown in picture left.   Nomad's battery shares the same form factor (BL-4C) as battery used by certain Nokia mobile phones.

USING EXTERNAL WIRED HEADSET

The Nomad is equipped with a headset socket that works with any standard 2.5 mm jack headset.   When the external headset is plugged in, Nomad's speaker and microphone will be deactivated.   Once the headset is removed, Nomad's speaker and microphone will again be activated.

FAQ 1

Q.   The red LED on the Nomad is flashing and I hear three beeping tones every minute?

A.   Nomad's internal battery in low on charge, please recharge immediately.

Q.   I have charge the Nomad for 20 minutes, but I still cannot power up Nomad?

A.   If the battery is being charged for the first time, or the Nomad has not been used for extended period, it could take up to 40 minutes before the battery is reactivated; we strongly recommend to fully charge the Nomad before using.

Q.   When charger is connected to the Nomad, the Red LED is not illuminated?

A.   First make sure the AC outlet is powered, some outlets have a separate power switch, please make sure it is turned on.   If you are using the USB power cord connected to a computer, make sure the computer is powered up, in the case of a laptop, please make sure the laptops' battery has enough power.

If the charger connection is properly powered, then the battery in the Nomad has been completely drained, in this case, it may take several minutes before the LED will light up.   If after 10 ~ 15 minutes the LED is still not illuminated, it is possible the internal battery has failed, please replace the battery.

Q.   Why I cannot hear anything from the Nomad?

A.   1.   Please check to see if the Nomad is powered up.

2.   Please make sure you have paired the Nomad with your mobile phone.

3.   Please check if your mobile phone is within 10 meters (30 feet) range, if you are indoors, it is possible the building or other objects are affecting the Bluetooth signal strength, please decrease the distances and try again.

4.   Please check to see if your mobile phone is within service area and is receiving good signal.

5.   Some mobile phones can only be paired with one Bluetooth hands free device, if you have more than one device paired, it could cause other devices to fail.   Please check to make sure Nomad is the active paired device and it is set up as headset or hands free mode.

Q.   My Nomad is fully charged and powered up, why it does not work with my mobile phone?

A.   1.   Please make sure Nomad is properly paired with a Bluetooth enabled mobile phone.

      2.   Please make sure your mobile phone has set up Nomad as a hands-free or headset.

3.   Nomad contains the latest Bluetooth protocol (version 1.2) and it has been extensively tested with all major brands' mobile phones, however, it is possible some incompatibility with your mobile exists, please consult your mobile phone's user manual to make sure it is compatible with Bluetooth 1.2 protocol.

Q.   Does the Nomad works with all mobile phones?

A.   No, the Nomad only with Bluetooth enabled mobile phones.

Q.   What is the effective distance between the Nomad and mobile phone?

A.   Nomad has passed Bluetooth international BQB certification it is completely compatible with Bluetooth 1.2 and Class II specifications.   The maximum range is 10 meters or 30 feet, however, the surrounding structures and the phone's Bluetooth design can have an effect on the effective distance, a direct line of sight without any obstruction is best suited to achieve maximum range.

Q.   When I try to pair the Nomad with my mobile phone, why do I see other Bluetooth device(s) in my mobile phone's display?

A.   When you set up your mobile phone for pairing, it will search for any Bluetooth devices such as PDA's, Laptops or other phones within the 10 meters range, all devices found will be listed for you to select.

Q.   Why I cannot find the Nomad when I attempt to pair?

A.   The Nomad is not in pairing mode (blue and red LED flashes alternatively), please refer to section 6 on Pairing.

Q.   Do I need to pair the Nomad with my mobile each time before use?

A.   No, pair between the Nomad and your mobile only need to be performed once, afterwards even if one of the two is powered off then on again, it will still be paired; however depending on your mobile phone, you may have to re-link the Nomad with your mobile phone, please refer to section 9 on Linking.

Q.   Why do I hear noise from the Nomad?

A.   The sound quality of the Nomad is affective by below two factors.

1.   If your mobile phone is in a weak signal area, the sound quality of the Nomad will suffer because of the sound quality it is receiving from the mobile phone.

2.   If the distance between the Nomad and the mobile phone is too great, and if there are obstructions between the two, or there are strong radio frequency interference source near by, the sound quality of the Nomad will also degrade.

Q.   If I am unable to hear clearly what should I do?

A.   Try to increase the volume settings on y both the mobile and the Nomad.   Make sure the mobile phone is getting a good strong signal.   Also please make sure you are using the Nomad in a area of reasonable background noise.

Q.   Why the Nomad suddenly stops working?

A.   Please check if your mobile phone and Nomad has sufficient power, if the Nomad is low on charge, the red LED will be flashing; please refer to section 10 on Charging.

Q.   Why I cannot use voice dialing from the Nomad

A.   1.   Please make sure you have properly set up voice tags in your mobile for voice dialing.

2.   Please make sure the background noise is not affecting proper voice identification function of your mobile phone.

Statements

FCC Safety Statements

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.

(2)   This device must accept any interference received, including interference that may cause undesired operation.

The radiated output power is far below the FCC Radio frequency exposure limits. Nevertheless, this device should be used in such a manner that the potential for human contact during normal operation is minimized.

Important

Please note the following:

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 generate, 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 recipient.

-Connect the equipment into an outlet on a circuit different from that to which the recipient is connected.

-Consult the dealer or an experienced radio/TV technician for help.

Notice :   The changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment.