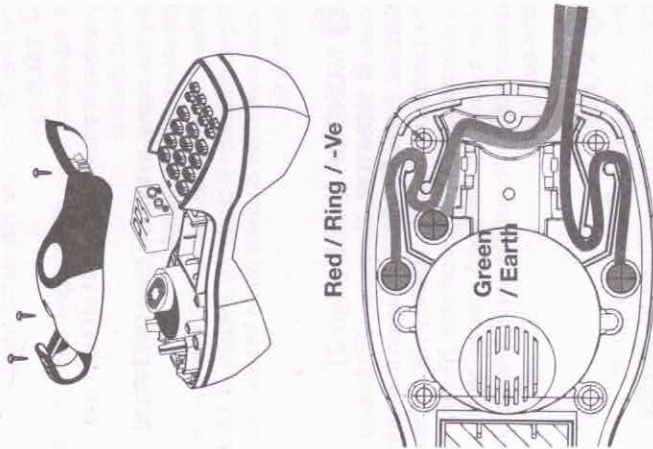


LOW BATTERY

A red LED at the centre of the keypad starts to flash **RED** when the battery needs replacing. Also, at each mode change of the telephone, a low battery tone will be heard. Once the low battery LED is on, the telephone will keep on working to its specification for a couple of hours, but you are advised to replace the battery as soon as possible.

INSTALLING OR REPLACING THE BATTERY

Remove the three hatch cover screws as shown. Unclip the battery and replace it with a 9V alkaline battery. Make the change within one minute if you want to retain your memory contents. It is important to ensure that the unit is off when replacing a battery (NoLEDlit). Disconnect from the line and press **Monitor** button to extinguish the Green(Mode)LED. Replace the hatch cover ensuring that the line cord is correctly routed, as below. Tighten the screw firmly but do not use excessive force.



Care and repair

Field repair

Field repairs are limited to replacing line cords (with approved types), replacing belt clips, and replacing batteries. Attempting any repair beyond this at field level is liable to damage the instrument and will invalidate the manufacturer's warranty.

Line-cord changing

Remove the three hatch cover screws. Replace the cord by loosening the terminal screws. Connect a new, standard cord as per the diagram. Tighten the screws firmly but do not use excessive force. Make sure the battery cover locates properly before securing it with the three screws.

Line-cord storage

Wrap the line cord loosely around the handle or preferably make a few loops and pass them through the belt clip.

Impact

Nautilus series test telephones are highly impact resistant. Even if dropped from a great height on to concrete they should survive without permanent damage. In the event that the gasket seal should bulge out on impact it is usually possible to gently ease it back into position with a blunt tool. Do not attempt to open the case to make a repair nor should any force be used or the gasket may split. If a simple local fix is not possible it should be returned for repair.

Do not open the case.

As a result of impact the surface may be scuffed or gouged. Small scuffs may be removed with fine grit abrasive paper. Any sharp burrs resulting from impact may be cut off with a sharp knife. Do not cut into the body or this will break the water sealing. Please note that the waterproof seal integrity can be damaged by a high impact. If in doubt, please have your unit checked. Use of the unit while the seals are damaged may invalidate the warranty.

Warranty

Warranty covers all defects of manufacture and materials Greenlee Communications Ltd. agrees to remedy warranty defects free of charge provided that: the product is returned pre-paid to the supplier, it is adequately packed and labelled, all parts are returned and warranty seals (if fitted) are not broken. Warranty does not cover: normal wear and tear, accidental damage, misuse, abuse or neglect and is voided by any unapproved modification.

Hands-Free Test Telephone
ADSL compatible

DigAlert™ Series Test Telephones



USER GUIDE

Features	Alert 340	DigAlert 350	DigAlert 361
Environmental Sealing	IP67	IP67	IP67
Resilience	Bellcore	Bellcore	Bellcore
Battery	9V	9V	9V
High Impedance Monitor	Y	Y	Y
Over voltage alert/leadset	Y	Y	Y
DigAlert™		Y	Y
Handsfree		Listen Only	Listen Only



1380 Aspen Way • Vista, CA 92081 • USA • 800-642-2155
An ISO 9001 Company • Greenlee Testnet Inc. is a subsidiary of Itron Inc.
USA Tel: 800-642-2155 Canada Tel: 866-384-8813 International Tel: +1-815-397-7070
Fax: 760-598-5834 Fax: 800-524-2853 Fax: +1-815-397-9247

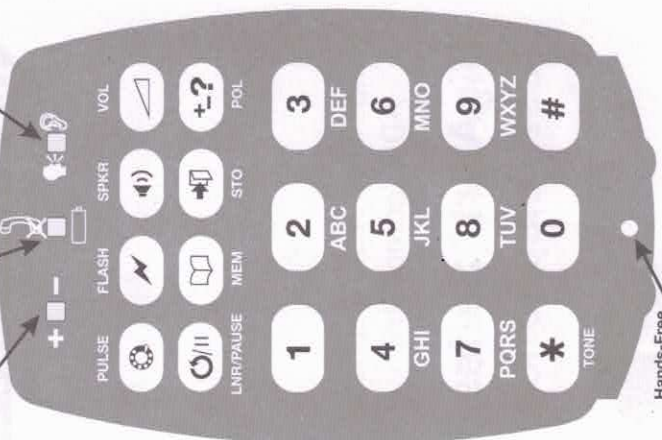
Europe, Middle East, Africa, Asia & Pacific
Greenlee Communications Ltd.
Broomfield House, Wynton Street, Colchester, Essex, CO1 1JL, UK
Tel: +44 1635 627 710 • EMail: sales@greenlee.com
www.greenleecomms.com

Nautilus
r a n g e

Red lead polarity:
Green = B(-Ve).
Red = A (+Ve).

Green = Muted
Red = Replace Battery

Green = Monitor mode.
Red = Talk Mode.



Hands-Free
Microphone
*361 only

DIALLING

DTMF/TONE is the default dialling mode.



PULSE Dialling

With the telephone connected to a live line, press **PULSE** before selecting **Talk** mode. This is confirmed by a single high beep. Dialling mode reverts to Tone when the line is disconnected or if the telephone is switched off.

Mixed Pulse and Tone dialling

Select Pulse mode as above and dial the Pulse digits. Press ***** (Tone) then dial the Tone digits (the star will not be dialled out). This change is stored in memory.

Storing a number in memory

Press **STO** **MEM**. Connect to a line in **Talk** mode. Press ***** to enter STORE mode. Press **MEM** and a location (0-9). Enter the telephone number to be stored. Press ***** to store.

In memory you may also store, *, #, **Flash** or **Pause**. These will be redialled as they were entered.

Dialling a number from a memory location.

While connected to a line and in Talk mode: Press **MEM** then the location digit 0-9. The stored number under that button will be redialled.

LNR/PAUSE: Last Number Redial and Pause

Press **LNR/PAUSE** immediately after off-hook to redial the previous number dialled. In STORE mode press **LNR/PAUSE** to insert a Pause in a memory. If within the first 5 entries, this inserts a 2 second pause in the dialling out string, if not, then it halts the dialling. Press **LNR/PAUSE** to resume.

FLASH

A timed line break is generated when the **Flash** button is pressed.

POL: POLARITY TEST

Press **POL** and observe the polarity LED. **RED LED**: Red lead is connected to A (+Ve) **GREEN LED**: Red lead is connected to B (-Ve) During this test, the telephone remains high impedance and will not interfere with data or speech calls.

SPKR: HANDS-FREE MODE

Press **SPKR** to activate and deactivate the hands-free function. If **SPKR** is pressed while the telephone is off, then Loudspeaker Monitor is automatically activated. Press and release **VOL** to select the high receive volume setting, press again to return to the normal setting.

In **DigAlert 361** TALK mode, two way hands-free is possible through the hands-free microphone located near the keypad. The microphone is normally muted (Centre LED flashes **GREEN**) press the **Key** to disable the Mute, and activate transmission.

USING HANDS-FREE IN THE BEST POSSIBLE CONDITIONS.

DigAlert 361 switches smoothly and silently, and adapts its settings to cope with the ambient noise, so that no adjustments are necessary. For best results, stay close to the hands-free microphone (base of keypad) and only use the **VOL** key if the receive level is too low for a normal communication to take place. Use **DigAlert 361** with hands-free microphone and speaker facing the user.

TIMEOUT

Alert 340 and **DigAlert 350** do not include a hands-free microphone and can receive only in "hands-free" mode. After disconnection from the line for more than 5 minutes, the telephone automatically switches off to preserve the battery, and the time-out tone is heard.

Ground-start lines

On units fitted with optional third wire (item m0023/15): connect green wire to ground, press **TALK** momentarily and check for dial tone. Ground start is then automatic and the green wire can be left connected to ground, without affecting the call.

ERL: Earth Loop Recall

On units fitted with optional third wire (item m0023/15): While in TALK mode on a looped line and with the green wire to ground, press **PULSE** momentarily and check for second dial tone.

TALK MODE

Press **TALK** to go off-hook. A double beep is heard and the mode LED flashes **RED**. Press **MONITOR** to go back on-hook. The mode LED then flashes **GREEN**. PLEASE NOTE: if **DigAlert 361** is connected to an overvoltage or a digital signal, then **DigAlert 361** does not loop the line and sounds an alarm.

AUTOMATIC PROTECTION OF DIGITAL LINES:

Connect **DigAlert 361** to the line. Press and release **TALK** to go off-hook. Thanks to **DigAlert™**, there are four different cases:

- 1) A digital signal is present: a **two tone alarm** is heard, **DigAlert 261** and **350** lock out and do not loop the line. To override this alarm, hold down the **TALK** key.
- 2) A high DC level is present (>116V±4V): a **single tone alarm** is heard, the telephone locks out and does not loop the line. This alarm may not be overridden.
- 3) A DC level between 76V(±4V) and 116V(±4V) is present: a **single tone alarm** is heard, the mode LED flashes **RED and GREEN**, the telephone locks out and does not loop the line. To override this alarm, press **TALK** again.
- 4) No alarm (i.e. no digital signal nor high DS present): the telephone goes off-hook and loops the line.

Digital signal detection Easy OVERRIDE (DigAlert 350/361 only)

When connected to normal DC, override the digital detection lock-out by pressing **TALK** once more. This is useful on an imbalanced faulty line.

MONITOR MODE (high Z)

Press **MONITOR**. The mode LED flashes **GREEN**. Press **MONITOR** again to switch of the telephone. To extend battery life, Monitor is automatically switched off after 20 minutes, if on a powered line, and 5 minutes after disconnection. An audible signal is heard on time out.

MUTE

Press and release **MUTE** to cut off transmission, centre LED flashes **GREEN**. Press again to talk.



Warning! When in Loudspeaker mode, keep loudspeaker more than 30cm (1 foot) from your ear. Misuse may result in hearing damage.