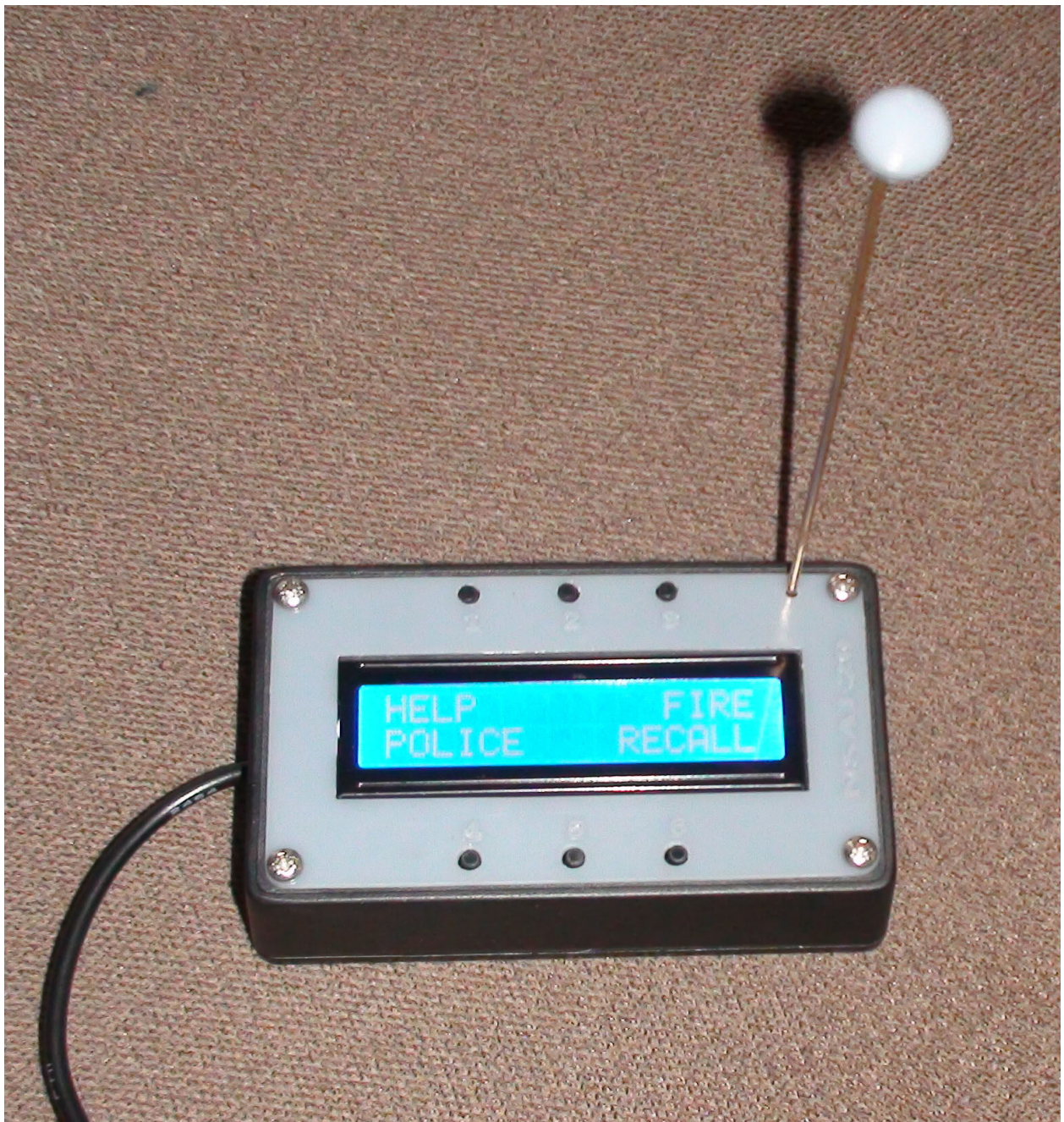# Neighborhood Security Alarm (NSAL20) 06/08/24

The NSAL20 is a wireless Neighborhood Security Alarm system that enables you to communicate your problem and needs with a single press of a button. All neighbors within 6 miles (10 Km) with a NSAL20 system will be alerted via radio and have an opportunity to respond to your emergency.

The NSAL20 contains six buttons, a display and a buzzer housed in a small plastic case.   With a press of one of the buttons a message is broadcast to let your neighbors know that you need HELP, an AMBULANCE, a FIRE TRUCK, POLICE, or have detected an INTRUDER.

Your name, address, phone number and type of emergency is displayed on all your participating neightbor's alarm systems. With a press of a button they can let you know they are responding and the responding neighbors details are all shown on your display.

Index   **Page**

NSAL20 Operation

The display cycles between showing these two menus for three seconds each:

You can press any of the buttons at any time so send out an emergency signal all your neighbors.

Pressing Button1 will send out a request for HELP.
Pressing Button4 will send out a request for POLICE
Pressing Button5 will send out an INTRUDER Alert, etc.

For example, if Button 4 has been pressed all your neighbors alarms will sound every six seconds and display your name, address, phone number and the problem you need help with.continuously untill they press a button to respond.

The alarm buzzer will stop sounding after 15 minutes. The display will continue to show your details until any button is pressed or 24 hours has passed.

Each unit has a variable response delay time so none of the units try to respond at the same time.

If you accidentally sent a distress message or if the problem has been resolved you can send a "RECALL/IGNORE" message to all units to let people know.

The system resets every 24 hours so all messages will eventually disappear even if no buttons have been pressed.

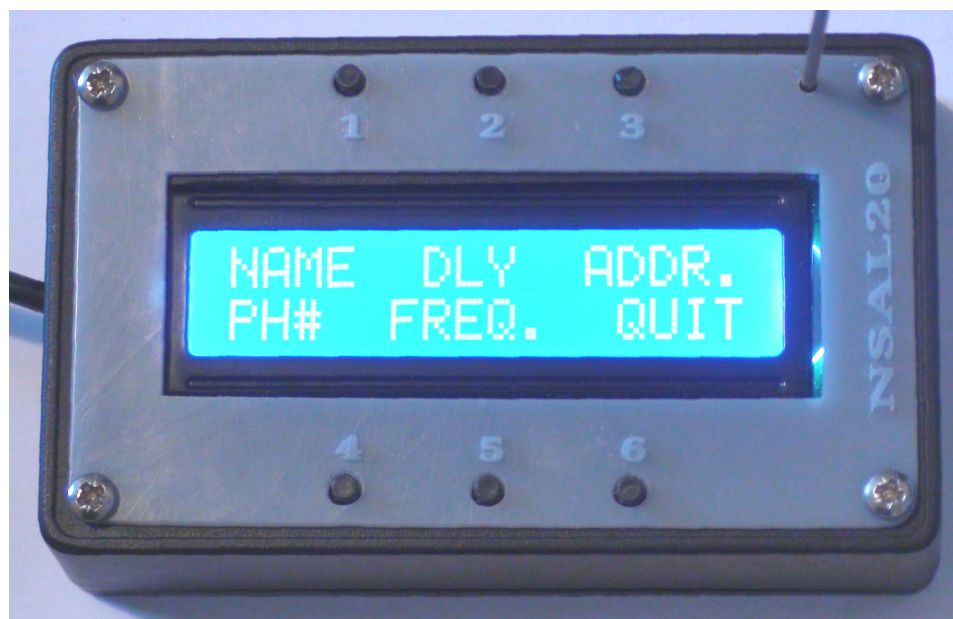**Editing Information and Sending a TEST Signal**

Holding down Button1 for ten seconds (until you hear a long beep) will result in the display of the following TEST/EDIT menu:

Pressing Button1 will result in a TEST signal being sent out to all the other NSAL20 units. All the units that have received the TEST signal will automatically send a response signal and not sound any alarms. This enables you to see who can and who cannot receive your emergency signals. The unit that sent the TEST signal will display the information about which neighbors received the TEST signal and responded.

Pressing the DATE or TIME buttons enable you to set the current date and time. Pressing the LIGHT button allows you to set the display brightness.

Pressing the EDIT button brings up and displays the following options:

Your NAME, ADDRESS, and PHONE# can be changed using the buttons. It is NOT recommended that you change the preset DLY (Response Delay) or preset Frequency. Changing the frequency means you will no longer be able to communicate with the other NSAL units unless they also change the frequency. Changing the Response Delay could result in two or more NSAL units responding at the same time which could result in no proper response.

Sending LOG data to Bluetooth enabled Smartphone or Tablet

All the information sent to and received from all the NSAL20 units is logged to memory along with date and time. This information can be sent to a Bluetooth enabled smart phone or tablet if the smart phone/tablet has a Bluetooth Terminal program installed.

To install "Serial Bluetooth Terminal" on your smartphone go to PLAYSTORE on your Android smart phone and search for "Serial Bluetooth Terminal". Download/Install "Serial Bluetooth Terminal" on your smartphone.

Use "SETTINGS" to enable the Bluetooth radio on your smartphone.

Scan for bluetooth devices, find "NSAL20" or (JDY-31-SPP" and "Pair" with that bluetooth radio. The "pairing code" is 1234.

When connected to the bluetooth radio start "Serial Bluetooth Terminal" and use the "Devices" command to connect to the NSAL20.

When connected, hold down button 4 (Bottom LEFT button) for more than 10 seconds to send all the log data to the bluetooth receiver.

You can use the Bluetooth Serial Terminal program to save the log data to your smartphone by using the right hand menu to either "save" the data after receiving it or "log" the data before sending it.

The data will look something like this:

MR. SAM SMITH 123 STREET NAME (09)123-1234 r230802134123

where:
230802134123 is the Date/Time YYMMDD and hhmmss
 "r' means "received".
"H" means HELP
"F" means FIRE
"P" means POLICE
"A" means AMBULANCE
"I" means INTRUDER
"X" means RECALL

To delete all logged messages, press and hold both Button1 and Button4 for more than ten seconds (until you hear the LONG beep).

Video of NSAL20 in Action

See: https://youtu.be/rzc_nTpVp6U