

# eLocust2 Quick Guide

1. connect the cable to the antenna and place the antenna on the roof of the survey vehicle
2. put eLocust2 in the survey vehicle and connect the antenna cable
3. once you are on the way and driving to the field, plug the cable into the cigarette lighter (for power) and eLocust2 starts up
  - *the display will be blank for about 1 minute before eLocust2 starts*
4. After eLocust2 starts, press the Locust button
  - *you will see incorrect date (01/01/92), time and coordinates (00°00'00")*
  - *after several minutes, eLocust2 will display the correct coordinates of your current location, the date and time*
  - *these will be updated as you continue to drive*
5. when you arrive at the survey location, turn the engine off
  - *eLocust2 will shut down because of a lack of power*
  - *alternatively, the driver can keep the engine running while the survey officer is in the field – if so skip step 7*
6. the survey officer(s) should make the foot transects and collect information in the field
7. **SKIP THIS STEP IF THE CIGARETTE LIGHTER IS WIRED DIRECTLY TO THE BATTERY.** If not, when the driver sees the officer(s) begin to return to the vehicle, he should turn on the engine to start eLocust2 – this will allow eLocust2 to obtain the GPS location, date and time so it is ready when the survey officer returns to the vehicle
  - *turn on the **engine**, not only the power*
  - *it takes about 3-5 minutes to obtain the correct coordinates*
8. when the officer is in the vehicle, he should enter the data into eLocust2 using the touch screen and/or buttons
  - *do not leave the site before the officer is finished entering data*
  - *keep the engine running – do not interrupt the power supply*
9. if the data is to be transmitted by satellite, press SEND – it can take up to 15 minutes to send data (during this time it is okay to drive to your next survey stop, there is no need to wait at the survey stop for the data to be sent); if the data is to be saved to eLocust2 for eventual downloading to a PC, press SAVE
10. once step 9 is complete, then it is safe for the driver to leave the survey location and drive to the next stop
  - *repeat steps 5-9*
11. at the end of the day's survey, turn off eLocust2 and store the antenna

## ATTENTION

**DO NOT INTERRUPT THE POWER TO THE eLOCUST2 UNIT AFTER PRESSING SEND (DURING SATELLITE TRANSMISSION)  
– FOR EXAMPLE, WHEN TURNING THE VEHICLE ON OR OFF –  
IF YOU DO, DATA THAT IS BEING SENT WILL BE LOST.**

# eLocust2 Notes and Tips

## GPS coordinates

- GPS coordinates are automatically determined after the eLocust2 is turned on. This may take a few minutes. Instead of waiting for this, you can continue to enter habitat and locust data at the survey location.
- GPS coordinates are sent automatically with the data after you press the SEND button.
- eLocust2 can only be used at the survey location. You cannot enter data into eLocust2 in another place (e.g. the office, your home) because the coordinates will be automatically determined of those other places!
- Do not enter survey data and then wait and send it later because the coordinates will not be correct (they will be of the transmission location rather than the survey location).

## Buttons

- You can either tap the screen with your finger or the back of a pen or other object that is not sharp, OR you can use the F1-F5 buttons and the ARROW keys for selection and navigation.
- The CANCEL button blanks the screen.
- The SELECT button turns on the screen light.
- The EMG button is not activated.

## Care and Maintenance

- Keep the unit on during the entire day of survey rather than turning it on/off at each location.
- Do not draw on the screen.
- Clean the screen with a soft damp cloth only when the terminal is turned off.
- Place the antenna inside the vehicle at the end of each day's survey so that it is not stolen.

## Problems?

- Make sure the cables are connected correctly and tightly at the antenna, the eLocust2 unit and the cigarette lighter.
- The antenna needs a clear view of the sky for GPS use and satellite transmission of data.
- When sending data, you must be connected to the antenna.
- Contact Keith Cressman for other problems or information (keith.cressman@fao.org or call +39 348 7968526)