

# STORM PRO-2

The StormPro2 gives you advance weather warning technology you can use, indoors or out, and take wherever you go, for any kind of outdoor activities. The StormPro2 Storm Tracker uses the latest miniature electronic technology to detect the electromagnetic (EM) signature of the lightning strikes in thunderstorms to 130 miles (208kM), then ranges and tracks the storm. Once the storm is within 75 miles (120kM) of you, StormPro2 provides a warning to you using four different methods: text messages on the liquid crystal display (LCD), flashing the backlight on the LCD, changing the color of the power-on indicator (LED), and sounding an audible tone. All of the tracking and alert functions of the StormPro2 are automatic when the unit is turned on, and several are configurable using easy menu selections. NOTE: There are two types of lightning strikes produced by a thunderstorms, cloud-to-ground and cloud-to-cloud, also called heat lightning. For any user on the ground, the cloud-to-ground strike is the most dangerous. The StormPro2 is designed to detect cloud-to-ground lightning strikes. There may be occasions where storms will produce cloud-to-cloud lightning strokes that are not detected by the StormPro2, but extreme caution should always be used when exposed to lightning storms.



The StormPro2 Storm Tracker alerts you to thunderstorms within 75 miles (120kM) of your location using the EM signatures of the lightning strikes within a storm cell. The unit detects multiple cells near you and provides range and speed information on the closest cell, plus an indication that other active cells are in your area. The indicators will also alert you to squall lines or super-cell thunderstorms (super-cells comprise about 10% of all thunderstorms and are larger and much more violent than normal storms.) When lightning activity is detected, information related to that activity is displayed in a set of two-line messages on the LCD. The messages repeat every few seconds, so any particular message is repeated within a short time period. While the StormPro2 remains on, it continually accumulates lightning strike data from storm cell activity within its detection range. As more data is accumulated about any particular storm cell, more accurate position and speed information is displayed for

the user. Once the unit determines that a storm is within eight miles (13kM) of your location, the StormPro2 warns you that the storm is LOCAL. The StormPro2 will maintain this warning until the storm has moved beyond the eight mile (13kM) range. While the storm is local, the unit will calculate and display the estimated time for the storm cell to move beyond the eight mile (13kM) range. As the lightning strikes from the storm continue to register, the time to clear will be updated. More precise range alerts can be customized as follows: under 20 miles 1 mile increments/ above 20 miles increments settings of 5 miles. The StormPro2 continually monitors the EM activity of detected storms and uses this data to provide additional warning information about super-cell storms and squall lines to the user when detected. Both of these storm types produce high winds and extreme rain, and may spawn tornadoes.