

# INSTRUCTION SHEET for IS-750 and LGK-3901 TEMPERATURE PROBE OPTION



## What software version do I need?

- IS-750 : Software version 3.1 or later
- LGK-3901 : Software version 3.0 or later, iControl Software version 3.41 or later
- Contact Miranda Customer Support or go to Miranda website [www.miranda.com/portal](http://www.miranda.com/portal) .

## What are the Temperature Probe Option parts?

Miranda PN	QTY	Description
4100-0041-0	1	SENSORSOFT ST6154J, RS232 THERMOMETER WITH EXT PROBE
3503-0024-0	1	SENSORSOFT C2000 CABLE, DB9 TO RJ45, 20FT
1897-1700-100	1	MIRANDA ADAPTER, RJ45 to DE-9 FOR RS-232 DTE
0702-1400-100	1	Ethernet Cable, RJ45 CAT5 UTP, FLEX 10ft

## How to put option licence onto Miranda unit

- For a new unit, the temperature licence is already on your unit
- For an upgrade, temperature licence is e-mailed to you.  
Putting licence on IS-750 :  
Put Licence text file onto a USB stick and Insert into unit  
Front panel : "Load License", followed by "System Reset"
- On LGK-3901 :  
Add Licence Key (8 character string) via iControl window  
Options tab -> LGK-TEMP tab. Enter the Key string.  
Press [Enable option] to activate. Then Restart card

## How to check licence on Miranda unit

- From front panel : Go to Options menu and look for "...-OPT-TEMP"
- Via web-page. Log onto unit. View "TEMP" Licence in System Info.

## Set up Comm Port for Temperature Probe

- User front panel : Go to  
Setup -> Serial Comms -> Serial Ports -> Com 1 -> Protocol  
Select Protocol = "ST61XX Temp Sens"
- "Baud rate" will automatically be set to 1200, "Serial type" to RS232

## Assemble Temperature Probe Option

- Connect all parts together as shown in diagram.  
NOTE : Miranda's RJ45 Comm Port pinout (on LGK-3901 & IS-750)  
is not same pinout as Thermometer RJ45 comm connector.
- Connect assembly to Miranda unit Comm Port

## Create Temperature template .oxa (MCS Textbuilder tool)

- .oxa name must be "temperature.oxa", unless unit also has EasyText licence.
- Use DataSources :-  
|TEMPERATURE\_CELCIUS|, |TEMPERATURE\_CELCIUS\_TENTHS|,  
|TEMPERATURE\_FAHRENHEIT|, |TEMPERATURE\_FAHRENHEIT\_TENTHS|
- Transfer your .oxa template file to your unit

## View Temperature On-Screen

- Load a keyer on the unit with your .oxa media & Take keyer Up
- View the template and displayed temperatures

**To Miranda unit Comm Port**

**Cat5 cable, RJ45-RJ45**

**RJ45-DE9  
adapter**

Probe

**Sensorsoft  
RS232 Thermometer  
with Probe**

**Cable DB9-RJ45 20ft**

Note : Miranda unit RJ45 Comm Ports and Thermometer RJ45 connector DO NOT have same pinout

Warning : Under certain severe weather circumstances, such as lightning, the use of this temperature probe might damage the Miranda unit it is connected to. Miranda recommends that the probe is used in a lightning-protected environment.