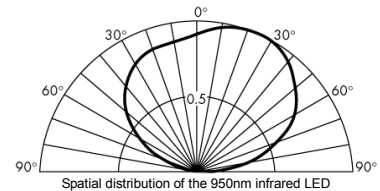# *Manual addendum*

# AR8200MKIII-*IR*

In addition to the standard features of the AR8200MKIII receiver, the AR8200MKIII-IR has been modified to be fully **Night Vision Goggle (NVG) compatible for government applications.**
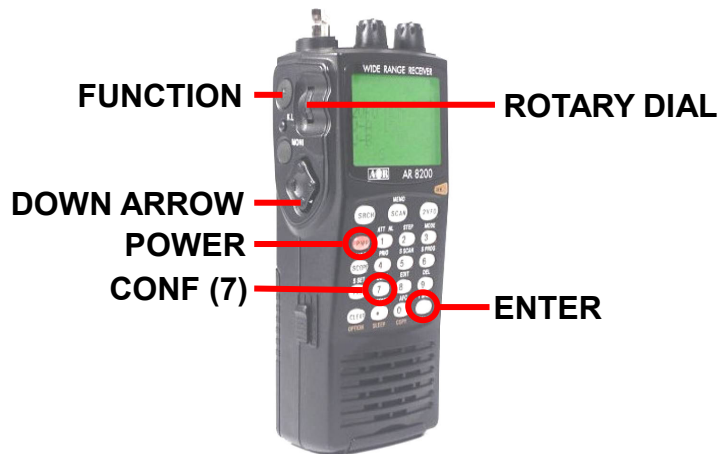
When the IR (Infra-Red illumination) function is activated, the original green LED that illuminates the display and keypad is deactivated. The front keypad and the LCD screen are then illuminated by the IR LED that is only visible with NVG.

The IR function is only compatible with military grade NVGs, capable to match the 950nm spatial distribution of our IR LEDS .



Spatial distribution of the 950nm infrared LED

To toggle between the normal LED display mode and the IR LED mode:

1. Power on the receiver by pressing the orange PWR button.
2. Push and hold the rotary dial on the left side of the receiver for 2 seconds until a beep is heard.



**FUNCTION**

**ROTARY DIAL**

**DOWN ARROW**

**POWER**

**CONF (7)**

**ENTER**

The LED (normal or IR) on/off behavior depends on the LAMP setting, which can be set in three different ways:

| **LAMP AUTO**<br>(Out of the box default) | **LAMP CONT**<br>(Normal or IR LEDS always lit) | **LAMP OFF**<br>(Normal or IR LEDS always off) |
| --- | --- | --- |
| Set this mode as follows:<br><br>1. Press the FUNCTION key. "FUNC" will appear on the upper left corner of the screen.<br>2. Press the 7 key (CONF) to enter the configuration mode.<br>3. With the down arrow key, go to LAMP and select AUTO by rotating the rotary dial.<br>4. Press the ENT key to validate.<br><br>Whichever LED type selected, it is now in auto-mode, meaning it will only be lit in the two following situation:<br>● Any of the keys is pressed. LEDS will then switch off after 5 seconds.<br>● Squelch opens by signal level received higher than set level. LEDS will then switch off after 5 seconds.<br><br>To toggle between normal LED and IR LED, push and hold the rotary dial for 2 seconds until a beep is heard. | ***This is the mode you will want to set in order to test your NVG.***<br><br>Set this mode as follows:<br><br>1. Press the FUNCTION key. "FUNC" will appear on the upper left corner of the screen.<br>2. Press the 7 key (CONF) to enter the configuration mode.<br>3. With the down arrow key, go to LAMP and select CONT by rotating the rotary dial.<br>4. Press the ENT key to validate.<br><br>Whichever LED type selected, it is now always ON.<br>To toggle between normal LED and IR LED, push and hold the rotary dial for 2 seconds until a beep is heard. | Set this mode as follows:<br><br>1. Press the FUNCTION key. "FUNC" will appear on the upper left corner of the screen.<br>2. Press the 7 key (CONF) to enter the configuration mode.<br>3. With the down arrow key, go to LAMP and select OFF by rotating the rotary dial.<br>4. Press the ENT key to validate.<br><br>Whichever LED type selected, it is now always OFF. |