

# AOR SDU5600 Spectrum Display Unit

## **Spectrum Display** Just Got More **Interesting!**



*Enjoy full control of compatible AOR receivers.*

*The 10.7 MHz input may be compatible with receivers from other manufacturers as well.*

*PC control is also present, as is highly accurate frequency management.*

*The AOR SDU5600 is the "next generation" in spectrum display units. Using a five-inch TFT color display, DSP and FFT (Fast Fourier Transform), faster sampling rates and color imaging, the SDU5600 opens the door to new possibilities and applications.*

*With sampling at up to six times per second, the operator is quickly aware of new active frequencies. The "waterfall display" function is another operator convenience, along with a host of menu driven selections and features.*

### **AOR SDU5600**

- High resolution 5 inch color TFT display
- Built-in "waterfall" display function
- Now features FFT signal analysis
- DSP
- Uses 10.7 MHz IF input frequency
- Wide input level range: 0 ~ -90 dBm
- High dynamic range, 60 dB
- Fully interactive with AOR AR5000 models, AR8600, AR-ONE
- 10 MHz bandwidth ( $\pm 5$  MHz from center frequency)
- Samples up to 6x per second
- Four frequency resolutions: 4, 32, 64, 128 KHz
- Image output to your PC
- Bus signal can be saved to memory
- Graphic display and statistical (text) data
- Menu driven operation
- Two RS-232C ports for receiver and computer control
- Easy to operate

# AOR SDU5600 Spectrum Display Unit

*The SDU5600 provides maximum operator flexibility and convenience along with highly accurate information in an advanced technology instrument.*

## SPECIFICATIONS

Input frequency:	10.7 MHz
Maximum frequency span:	10 MHz
Frequency resolution:	4, 32, 64, 128 KHz
Input level range:	+0 dBm - -90dBm
Display Dynamic range:	60 dB
Input impedance:	50 ohms
Display:	5 inch color TFT display
Serial ports:	2 RS-232C ports (For receiver and PC control)
Power requirement:	12 V DC, 900mA (max.)
Controls:	26 keys and one rotating dial
Dimensions:	220 (W) x 120 (H) x 195 (D) (mm)
	8.7(W) x 4.7 (H) x 7.7 (D) (inches)
	Projections not included
Weight:	Approx. 2.3Kg (Approx. 5 LBS.)
Compatibility:	Interactive with all AOR AR5000 and AR8600 series receivers and AR-ONE. May be compatible with other receivers that feature wideband 10.7 MHz IF output. (No warranty is made as to compatibility with receivers from other manufacturers.)

**DSP and FFT** Digital Signal Processing and Fast Fourier Transform algorithms combine to make the SDU5600 a very powerful Spectrum Display system. The result is a graphic display, and textual information, that fast and accurate.

**Flexible User Options** Interactive menu driven choices put potent analyzing tools at your disposal.

**Multiple Interface Options** You can control AOR AR5000 and AR8600 series receivers, along with the powerful new AR-ONE, through the interface with the SDU5600. Control for some others receivers is also possible. You may also engage in computer aided control of the SDU5600 and utilize a PC as an integral part of the analysis process. All this is possible through two RS-232C ports.

**5 Inch TFT Color Display Graphics** are clear, crisp and sharp. Color adds to the ease of use, making the SDU5600 as useful on the bench as it is in the field or as part of permanent mobile operations.

**Compatible With Other Receivers** A receiver equipped with a 10.7 MHz IF output can provide signals to the SDU5600. The sweep span could be limited, depending on the IF characteristics of the chosen receiver.



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