



# AR8200D ENHANCED AR8200MK3

Welcomed by security professionals, government agencies and monitoring enthusiasts!

Following the legendary AR8200MK3, the new AR8200D has added even more powerful features to make it even better. It's a complete communications receiver in one mighty handheld, totally portable with a comprehensive set of features that match or exceed many base receivers.

## NEW BUILT-IN FEATURES

**VOICE RECORDING:** You get up to 65 hours of voice recording using the supplied 4GB micro-SDHC card. Windows Media Player compatible WAV file format sampled at 18kHz (16bit) for monaural recording. Record file created automatically every 100MB (approx. 1.7 hours).

**CTCSS DECODER:** The CTCSS (Continuous Tone-Coded Squelch System) function enables the AR8200D to selectively receive radio communication. The AR8200D CTCSS decoder is a valuable asset to reduce the annoyance of listening to other users on a two-way channel shared by multiple user groups. CTCSS mutes users using a different tone, or no CTCSS.

**VOICE INVERTER: (\*)** This analog voice descrambler mode is used to decode scrambled analog voice transmission by frequency inversion on FM transmissions. Adjustable carrier frequency between 2.4 and 6.15kHz. Analog voice scrambling is sometimes used by public service radio, automobile racing, cordless telephones and Family Radio Service. (\*) USA: Government version only.

**APCO25 (P25) DECODER:** When the APCO25 (P25) function is activated, the digital format signal (Phase 1, "non-encrypted", conventional mode) may be monitored. Originally APCO 25 was mostly used in the US by public safety agencies, many federal police and some military units, nevertheless the use is now spreading to other countries as well.

**MINI-USB SOCKET:** The mini-USB connector located on the digital control unit is designed to connect directly to the USB port of a PC. Most functions of the AR8200D can be PC controlled by using the USB interface. Software developer friendly "command list" available.

## OTHER FEATURES, as per the legacy AR8200MK3:

Wide-coverage 500kHz-3GHz, high-sensitivity, high resistance to intermod, excellent audio frequency response, TCXO for great stability. "All mode" receive: WFM, NFM, SFM, WAM, AM, NAM, USB, LSB, CW. True carrier re-insertion in SSB modes. 2 VFOs, 1000 memories in 20 banks, 40 search banks. Noise blanker, AFC.



## SUPPLIED ACCESSORIES

- 4GB micro-SDHC card
- USB-A to Mini-USB cable
- Telescopic antenna
- Medium Wave bar antenna
- 4 AA NiMH batteries
- AC charger
- Cigarette adapter
- Hand strap
- Belt hook with 2 screws
- Operating manual

## OPTIONAL ACCESSORIES

Enhance even more your listening experience!

	
ABF128 Airband filter	LN4000 Low noise amp.
	
LA400 Indoor loop antenna	SC8200 Soft case

## SPECIFICATIONS

Frequency range	530kHz~3000MHz (Cell blocked for USA version)	
Receive modes	WFM, NFM, SFM, WAM, AM, NAM, LSB, USB, CW	
Receiver system	Triple conversion super heterodyne	
Sensitivity	AM(10dB S/N) 500kHz~1.9MHz: 3.5µV 1.9MHz~30MHz: 2.0µV 30MHz~470MHz: 1.0µV NFM(12dB SINAD) 30MHz~470MHz: 0.35µV 470MHz~820MHz: 0.5µV 820MHz~3000MHz: 2.5µV WFM(12dB SINAD) 30MHz~470MHz: 1.0µV	
Selectivity	SSB/AM 3kHz (-6dB) 9kHz (-60dB) AM/SFM 9kHz (-6dB) 20kHz (-40dB)	WAM/NFM 12kHz (-6dB) 25kHz (-40dB) WFM 150kHz (-3dB) 380kHz (-20dB)
Antenna impedance	50Ω	
Power requirements	4xAA internal batteries or 9~16V DC external supply	
Power consumption	190mA nominal	
Memory channels	1000 (20 banks)	
Search banks	40	
Priority channels	1	
Pass channels	2000 (50 per search bank)	
Audio output	120mW(8Ω), THD 10%	
Dimensions	61(W)x143(H), 39(D)mm excluding projections	
Weight	370g approx. including antenna, batteries & belt clip	
Operating temp.	-5~+50°C	

※ Design and specifications subject to change without prior notice for product improvement or modification.



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