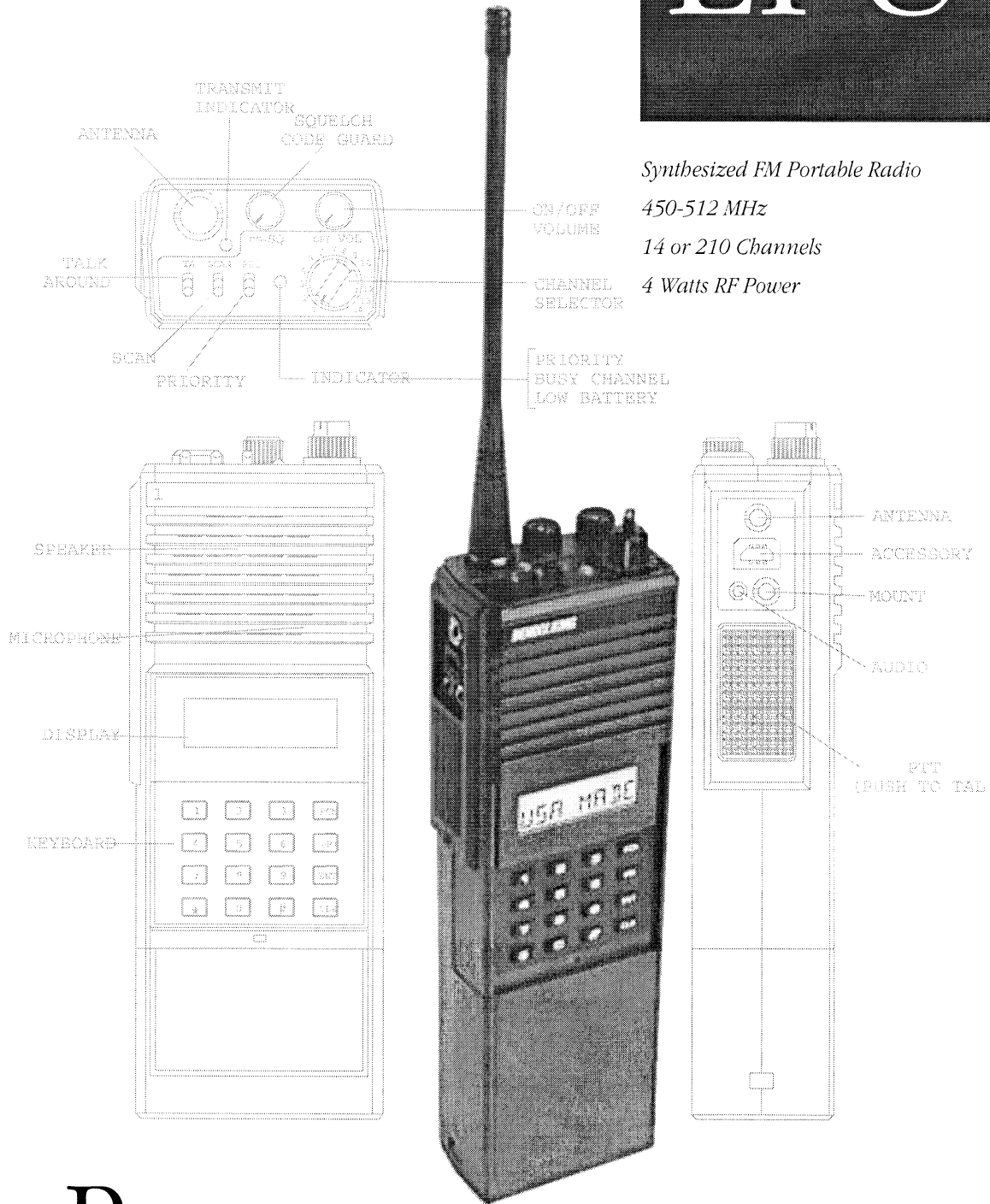


# EPU



Synthesized FM Portable Radio

450-512 MHz


14 or 210 Channels

4 Watts RF Power

**P**owerful. Innovative. Rugged and reliable. The Bendix/King EPU series delivers a 62 MHz operating frequency spread, PC programmability and cloning, ultra-low battery drain, and built-in CTCSS/CDCSS. Discover Bendix/King.

Synthesized FM Portable Radio  
 450-512 MHz  
 14 or 210 RF Channels  
 4 Watts RF Power

# EPU

Model Number	<i>Lexan case</i>	EPU 414 0A	EPU 414 2A	EPU 499 2A	EPU 499 SL
	<i>Metal case</i>	EPU 414 0M	EPU 414 2M	EPU 499 2M	EPU 499 SM
Frequency Range - MHz		450-512	450-512	450-512	450-512
Channels		14	14	210	UP TO 196
RF Output - Watts		4	4	4	4
Scan		INCL.	INCL.	INCL.	INCL.
Keyboard		-	INCL.	INCL.	INCL.
Alphanumeric LCD		-	INCL.	INCL.	INCL.
DTMF Encode		-	INCL.	INCL.	INCL.
DTMF ANI		INCL.	INCL.	INCL.	INCL.
Signaling Options		-	-	-	*
Battery Life (5 - 5 - 90%):					
Std. NiCd (LAA 0121) - hrs.		6	6	6	5
Lrg. NiCd (LAA 0125) - hrs.		12	12	12	10
Channel Increments - kHz		12.5/25	12.5/25	12.5/25	12.5/25
GENERAL		ALL MODELS			
Operating Voltage		10 V. NOM.			
Code Guard Squelch (CTCSS & CDCSS)		INCLUDED			
Multiple Code Guard Squelch		INCLUDED			
Time Out Timer		INCLUDED			
Operating Temperature - C°		-30 to +60			
Size W x D x H (in.) - Std. Battery		2.55 x 1.5 x 6.6			
Lrg. Battery		2.55 x 1.5 x 7.8			
Weight (oz) - Std. Battery		20			
Lrg. Battery		24			
Standby Current Drain - mA		21*			
Antenna		BIAS WOUND MOLDED			
Stability - PPM		±5			
Channel Spacing - kHz		25			
STANDARDS		MIL-STD 810			
	C	D	E		
	<i>Mthd. Proc.</i>	<i>Mthd. Proc.</i>	<i>Mthd. Proc.</i>		
Low Pressure	500.1 1	500.2 1	500.3 1		
High Temp.	501.1 1 & 2	501.2 1 & 2	501.3 1 & 2		
Low Temp.	502.1 1	502.2 1 & 2	502.3 1 & 2		
Temp. Shock	503.1 1	503.2 1	503.3 1		
Solar Radiation	505.1 1	505.2 1	505.3 1		
Humidity	507.1 2	507.2 2	507.3 2		
Dust	510.1 1	510.2 1	510.3 1		
Vibration	514.2 8 & 10	514.3 1	514.4 1		
Shock	516.2 1, 2, & 5	516.3 1 & 4	516.4 1 & 4		
<b>Metal Case models only:</b>					
Rain	506.1 1 & 2	506.2 1 & 2	506.3 1 & 2		
Salt Fog	509.1 1	509.2 1	509.3 1		
Unit meets U.S. Forest Service vibration and EIA RS-316B vibration and shock specifications.					
			*Signaling Options: 2-TONE DECODE, 5-TONE DECODE, SCRAMBLING		
			*Standby Current Drain with Options - mA: 31		
			TRANSMITTER		
			RF Output Power - Watts	4	
			Operating Frequency Spread -MHz	62	
			Modulation	15K0F2D 16K0F3E 16K0FXE	
			Spurious and Harmonics - dB	60	
			Hum and Noise - dB (companion RX)	43	
			Audio Distortion - %	3	
			Audio Response (per EIA) dB	+1/-3	
			RECEIVER		
			Sensitivity: 12 dB Sinad - µV	.30	
			Frequency Spread - MHz	62	
			Selectivity - dB	70	
			Spurious including Image - dB	70	
			Intermodulation - dB	65	
			Audio Output - mW @ 5% dist.	500	
			Audio Response (per EIA) dB	+1/-3	
FCC Type Acceptance ASY 90Q LT 30001 Parts: 22, 74, 90 Specifications subject to change without notice. Measurements made in accordance with applicable EIA standards. Bendix/King and the Bendix/King logo are registered trademarks of AlliedSignal, Inc., U.S. Patent & Trademark Office.BANDTRAC and CODE GUARD are Trademarks of BK Radio, Inc. © 1998 BENDIX/KING Form# 898-EPU-LPS					
					
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