

Model Comparison Chart

RECEPTION MODES

	M-8000v7	M-8000v5/2	M-8000v1	M-900	M-450 READER	M-400 READER	M-1200 CARD	M-1000 CARD	M-7000v7	M-7000v5	M-7000v1	M-6000v8	M-6000v2/5	M-6000v1	M-600A	M-200F
Morse Code (CW)	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RTTY Baudot Standard Speeds 45, 50, 57, 75, 100 Baud	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RTTY Baudot Variable Speeds 37-251 Baud	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
RTTY Bit-Invert	✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓
RTTY ASCII 75, 110, 150 Baud (110 only M200/600)	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RTTY ASCII 300, 600, 1200 Baud	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
RTTY ASCII Non-Standard 1050, 1800 Baud	✓	✓	✓					✓	✓	✓	✓	✓	✓			
SITOR A & Sitor B (aka AMTOR, ARQ, FEC, NAVTEX)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Autor (Automatic Selection & Sync. to Sitor A or Sitor B)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
ARQ M2 (TDM) 2 channel 86, 96, 100 Baud	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
ARQ M4 (TDM) 4 channel 172, 192, 200 Baud	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
ARQ-E 48, 64, 72, 86, 96, 144, 192 Baud	✓	✓	✓				✓	✓	✓	✓						
ARQ-E3 48, 64, 72, 86, 96, 100, 192, 200 Baud	✓	✓	✓				✓	✓	✓	✓						
ARQ-S 4, 5, 6 or 7 character groups	✓	✓	✓						✓							
ARQ-6-90 200 Baud	✓	✓					✓									
FEC-A 96, 144, 192 Baud	✓	✓	✓	+	◆	◆	✓		✓							
FEC-S 96, 100,144, 192, 200 Baud	✓	✓	✓						✓							
SWED-ARQ 3, 9, 22 character groups	✓	✓	✓		✓	✓			✓							
Packet 300 and 1200 baud (AX.25)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓			
Pactor	✓	✓														
Piccolo	✓	✓	✓													
POCSAG & Golay	◆	✓	✓		◆	✓	✓									
ACARS	✓	✓			✓	✓	✓									
CTCSS, DCS					✓	✓	✓									
DTMF					✓	✓	✓									
FAX AM/FM 60, 90, 120, 240 LPM 288, 440, 576 I.O.C.	✓	✓	✓	+	*	*	✓	✓	✓	✓	✓					
VFT (FDM) HF: 8, 12, 16, 24 Channel	✓	✓	✓						✓	✓	✓					
VFT (FDM) Satellite: 50 Channel									✓							
POL-ARQ	✓															
GMDSS	✓															

RECEPTION SHIFTS

Standard Baudot Shifts 170, 425, 850 Hz plus variable	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Extended Baudot Shifts 85, 1200 (& 60 Hz on M-8000)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Microprocessor Controlled Shifts	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
Automatic Shift Selection & Shift Display	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
Automatic Shift and Baud	✓	✓	✓				✓	✓	✓	✓	✓					
Standard ASCII High Speed Shift (BEL)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Expanded ASCII Shifts (103, 202, v21, v23)	✓	✓	✓				*	*	✓	✓	✓	✓	✓	✓		
Selectable Low and High Tone Pairs	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		

PRINTER CONTROL

Serial RS-232, MIL-188	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓	✓
Parallel (Centronics) Printer Port	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	◆	✓
Screen Print (Retro Print)	✓	✓	✓	✓					✓	✓	✓	✓	✓	✓	✓	✓
User Programmable Sel-Cals (Text String Search)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		

ADDITIONAL FEATURES

Microprocessor Controlled Switch Capacitor Filters	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Unshift-On-Space & MSI (no MSI on M-400)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Status Line	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Speed Readout to Nearest Standard Rate	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
User Programmable Initialization Format	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
Ten User Programmable Memories	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
Remote Terminal/Computer Control Port	✓	✓	✓		✓				✓	✓	✓	✓	✓	✓	✓	✓
Status Line Dump To Printer	✓	✓	✓				*	*	✓	✓	✓	✓	✓	✓		
Spectral Display & Simulated "CRT" Tuning Scope	✓	✓	✓													

Model Comparison Chart

ADDITIONAL FEATURES (continued)

	M-8000v7	M-8000v5/2	M-8000v1	M-900	M-450 READER	M-400 READER	M-1200 CARD	M-1000 CARD	M-7000v7	M-7000v5	M-7000v1	M-6000v8	M-6000v2/5	M-6000v1	M-600A	M-200F
Automatic Gain Control (AGC)	✓	✓	✓						✓	✓	✓	✓	✓	✓		
Automatic Threshold Control (ATC)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
On Screen Bar-Graph Tuning Indication	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Scope Output	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ARQ-Moore (TDM) All-Channel Surveillance Mode	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
ARQ-Moore (TDM) Split Screen Mode									✓	✓	✓					
Three User Selectable TTY Alphabets (ITA2, MIL, TEL)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
Russian Third Shift Cyrillic Alphabet (Screen Only)	✓	✓	✓						✓	✓	✓	✓	✗			
Literal Display Mode of Unprinted Characters to Screen	✓	✓	✓				✓	✓	✓	✓	✓	✓				
Dabit Code Analysis (Async. and Ssync. modes)	✓	✓	✓				✓	✓	✓	✓	✓	✓				
Video Squelch and Printer Squelch	✓	✓	✓				✓	✓	✓	✓	✓	✓				
Aural Beep Programmable: 1-Key 2-SelCal 3-Bell Char.	✓	✓	✓						✓	✓	✓	✓				
110/220 VAC 50/60 Hz Selectable	✓	✓	✓						✓	✓	✓	✓	✓	✓		✓
Tuning Error Indicator	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Data and Data Error Indicator	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Idle Indicator	✓	✓	✓				✓	✓	✓	✓	✓					
Squelch Indicator	✓	✓	✓	✓			✓	✓	✓	✓	✓					
Diversity Reception	✓	✓	✓						✓	✓	✓					
Parity Select On ASCII Receive (ODD, EVEN, none)	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓		
Built-In Diagnostics	✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	
Video Scrolling									✓	✓	✓					
I.O.C. Lock	✓	✓	✓						✓	✓	✓					
Audio Input Gain Control	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
Save Text & FAX Images to Disk							✓	✓								
Help Screen or Line							✓	✓	✓	✓	✓					
Screen Saver	✓	✓	✓						✓	✓	✓					
Real Time 24 Hr Clock & Time Date-Stamp to Printers	✓	✓	✓				✳	✳	✓	✧	✧					
FAX Displayed to Video (Hi-Res. on M-1000/1200/8000)	✓	✓	✓	✧			✓	✓	✓	✧	✧					
Video FAX 'zoom' and 'false-color' features	✗	✗	✗				✓	✓								
Rack Mounting Brackets for Standard 19" Rack	✧	✧	✧						✧	✧	✧	✧	✧	✧	✧	✧

✧ Optional ◆ In M-400: 96 and 144 baud only. † In M-900: no AM, 90 LPM or 440 IOC. ✳ In M-400: 120 LPM / 576 IOC FM only. † In M-900v2 ✗ In M-6000v6 ✳103 & 202 ✳Available via screen dump. ✗ No zoom on M8000. † Not available on M-450v1.5 or M-8000v7.5. **Notes:** The **M-450v1.5**, **M-8000v7** and **M-8000v7.5** are current models. The **M-8000v7** is available for government or export sales only! Models M-400, M-450, M-900, M-1000, M-1200, M-7000 and M-8000 are *Universal* brand, all others are *Info-Tech* brand. All manufactured by Digital Electronic System in the U.S.A. Prices and specifications are subject to change without notice. v: 01/18/01

The following models are often available from Universal Radio's Used Equipment Department:



Info-Tech M-200F



Info-Tech M-600



Info-Tech M-6000



Universal M-7000