



MANUAL REVISION
ASTRO® Digital Spectra®
and Digital Spectra Plus
VHF, UHF, and 800 MHz
Mobile Radios
Detailed Service Manual
6881076C25-D

REVISION CHANGE:

Please replace the **ASTRO Digital Spectra Plus VHF 25–50 and 50–110 Watt Model Chart** on pages xxxiii and xxxiv with the one below.

ASTRO Digital Spectra Plus VHF 25–50 and 50–110 Watt Model Chart

Model Number											Description		
D04JKH9SW7AN	D04KKH9SW3AN										Model W7 (136-162 MHz), 25-50 Watt, 512 Channels		
	D04KKF9SW4AN										Model W3 (146-174 MHz), 25-50 Watt, 512 Channels		
	D04KKF9SW5AN										Model W4 (146-174 MHz), 25-50 Watt, 512 Channels		
	D04KKH9SW7AN										Model W5 (146-174 MHz), 25-50 Watt, 512 Channels		
	T04KKH9SW9AN										Model W7 (146-174 MHz), 25-50 Watt, 512 Channels		
	T04KLH9SW3AN										Model W9 (146-174 MHz), 25-50 Watt, 512 Channels		
	T04KLF9SW4AN										Model W3 (146-174 MHz), 50-110 Watt, 512 Channels		
	T04KLF9SW5AN										Model W4 (146-174 MHz), 50-110 Watt, 512 Channels		
	T04KLH9SW7AN										Model W5 (146-174 MHz), 50-110 Watt, 512 Channels		
	T04KLH9SW9AN										Model W7 (146-174 MHz), 50-110 Watt, 512 Channels		
											Model W9 (146-174 MHz), 50-110 Watt, 512 Channels		
											Item No.	Description	
	X											HRD6001	Front-End Rcvr Board Kit (Range 1, 136-162 MHz)
		X	X	X	X	X	X	X	X	X	X	HRD6002_	Front-End Rcvr Board Kit (Range 2, 146-174 MHz)
X	X	X	X	X	X	X	X	X	X	X	HRN6014_	RF Board Kit	
X	X	X	X	X	X	X	X	X	X	X	HLD4342_	VCO Board Kit	
X											HLD6061	VCO Hybrid Kit (Range 1, 136-162 MHz)	
	X	X	X	X	X	X	X	X	X	X	HLD6062_	VCO Hybrid Kit (Range 2, 146-174 MHz)	
X	X	X	X	X	X	X	X	X	X	X	HLN5558_	Command Board Kit	
X	X	X	X	X	X	X	X	X	X	X	HLN6837_	VOCON Board Kit	
X	X	X	X	X	X						HLD6022_	Power Amplifier Board (25-50W)	
						X	X	X	X	X	HLD6063_	Power Amplifier Board (50-110W, Range 2, 146-174 MHz)	
					X						HLN6344_	Interface Board	
X		X	X	X							HLN6401_	Control Head Interconnect Board	
		X					X				AAHN4045_	W4 Control Head	
							X	X	X	X	HLN6486_	High-Power Interconnect Board	
							X	X	X		HLN6432_	Control Head Back Housing	
X			X	X				X	X		HLN6396_	W5,W7 Control Head Board	
					X					X	HCN1078_	W9 Control Head	
O	O	O	O	O	O	O	O	O	O	O	NTN9801_	ASTRO Spectra Plus UCM	
		X	X	X			X	X	X		HMN1080_	Microphone	
					X					X	HMN1061_	Microphone	
X	X	X	X	X	X						HSN4018_	Speaker	
						X	X	X	X	X	HSN6001_	Speaker	
					X					X	HLN4921_	Control Head (W9) Trunnion	
					X					X	HLN5488_	Radio Microphone Installation Hardware (W9 Trunnion)	
	X				X						HLN6185_*	Remote-Mount, SECURENET Control-Head Hardware	
							X	X	X		HLN6231_	Remote W4, W5, W7 Control-Head Trunnion	
							X	X	X	X	HLN6233_*	Option Connector Hardware	
						X	X	X	X	X	HLN6132_*	High-Power Installation Hardware	
X	X	X	X	X							HLN6015_	Trunnion/Hardware (Dash Mount)	
X	X	X	X	X							HLN6060_	Dash-Mount Hardware	
						X	X	X	X	X	HLN6121_*	High-Power Radio Hardware	
X	X	X	X	X	X						HLN6866_*	Transceiver Hardware	
			X					X			HLN6440_*	Control Head without Keypad Hardware	
X				X					X		HLN6441_*	Control Head with Keypad Hardware	



ASTRO Digital Spectra Plus VHF 25–50 and 50–110 Watt Model Chart (cont.)

Model Number										Description
D04JKH9SW7AN	D04KKH9SW3AN									Model W7 (136-162 MHz), 25-50 Watt, 512 Channels
	D04KKF9SW4AN									Model W3 (146-174 MHz), 25-50 Watt, 512 Channels
	D04KKF9SW5AN									Model W4 (146-174 MHz), 25-50 Watt, 512 Channels
	D04KKH9SW7AN									Model W5 (146-174 MHz); 25-50 Watt, 512 Channels
	T04KKH9SW9AN									Model W7 (146-174 MHz), 25-50 Watt, 512 Channels
	T04KLH9SW3AN									Model W9 (146-174 MHz), 25-50 Watt, 512 Channels
	T04KLF9SW4AN									Model W3 (146-174 MHz), 50-110 Watt, 512 Channels
	T04KLF9SW5AN									Model W4 (146-174 MHz), 50-110 Watt, 512 Channels
	T04KLH9SW7AN									Model W5 (146-174 MHz), 50-110 Watt, 512 Channels
	T04KLH9SW9AN									Model W7 (146-174 MHz), 50-110 Watt, 512 Channels
										Model W9 (146-174 MHz), 50-110 Watt, 512 Channels

X = Item Included

O = Optional item

_ = the latest version kit. When ordering a kit, refer to your specific kit for the suffix number.

* = kit not available. Order piece parts from the Customer Care and Services Division.