

# HM360 Specification

DESCRIPTION	Unit	LIMIT
Frequency Range:Transmit	MHz	156.025 To 162.425
Frequency Range:Receive	MHz	156.025 To 163.275
Number Of Channels		56 INT Channels
		52 USA Channels
		59 Canada Channels
		10 Weather Channels(only for USL)
		99 Memory Channels
Oscillate Mode		PLL
Modulation		FM(16K0G3E) DSC(16K0G2B)
Channel Spacing	KHz	25
Frequency Stability	PPM	±5
Digital Selectivity Calling (DSC)		Class "D"
MOB		156.525 MHz(DSC frequency) by channel 70
Standard Operation Temperature	°C	-15 ~ +55
Controls :Volume		Rotary With ON/OFF
Channel		UP,DOWN Keys
SQL		SQL
Feature Keys		PTT,DISTRESS,MOB
		16/9,HI/LO/LOCK,CH/*/WX
		DW/TRI,SCAN,MEM,CALL/MENU
Normal Working Voltage	V	7.4 (With Li-Polymer Battery)
Low Limit Working Voltage	V	6.8
Battery Lifetime ( Tx 5% / Rx 5% / Standby 90%)	H	≥ 8
Memory		EEPROM
Antenna Socket		SMA
Display		Dot-Matrix 128*108, 2.0 inch LCD With Background Light
Built-In Speaker		Diameter 40mm / Impedance 8 Ohm
Dimension :		59.91mm(W)×138.65mm(H)×39.46mm(D)
Accessory :		IP67 waterproof cable,Belt Clip,Hand Strap,Rubber Duck Antenna,7.4V Li-Polymer Battery Pack (1700mAH),AC 100~240V / DC 9V Wall Adapter (worldwide)
<b>RECEIVER</b>		
1.Sensitivity For 12dB Sinad	dBμV	≤-5(EMF)
2.Squelch		
a) squelch threshold	dBμV	<-5.0(EMF)
b) attack time(closed- > open)	ms	≤150
c) delay time(open- > closed)	ms	≤250
d) hysteresis	dB	3~6
e) squelch tight	dBμV	0dBuV ~ +6dBuV

3. Rated audio output		
at 5% Thd Speaker	mW	≥500
VR at max.	±KHz	≤2.5
4. Max.S/N ratio at 1mV	dB	≥40
5. Audio frequency resp.	dB	1000Hz/0dB ref.
@300Hz	dB	+7.5~+11.5
@2000Hz	dB	-9~-5
@3000Hz	dB	-12.5~-8.5
6. Signal displacement BW	±KHz	≥2
7. Adjacent ch.Rejection	dB	≥70
8. Image rejection	dB	≥70
9. Intermod rejection(3-Gen.Method)	dB	≥68
10. Spurious response rejection(CH16)80MHz to 1GHz	dB	≥70
11. Conducted spurious emission	dBc	≤-70
12. Scan time. Per channel	ms	≤200
13. Speaker output:8Ω load @ Max Vol.	V	≥1.8
14. StandBy Current	mA	≤150
15. Max Audio Power	mA	≤380
16. Charging current	mA	1000±130
TRANSMITTER		
1. Carrier power(no mod)		
Hi power	W	5±0.5
Low power	W	0.8±0.2
2. Carrier freq.Tolerance	ppm	±5
3. Max Modulation limiting	±KHz	5
4. Carrier attack time	ms	<80
5. Audio frequency response		
@300Hz	dB	-13.5~-9.5
@2000Hz	dB	3.0~7.0
@3000Hz	dB	+2.5~+10.5
6. Audio distortion at 3 KHz Dev.	%	<5
7. Residual modulation	dB	≤-37
8. Mic sens.For 3KHz	mV	13±3
9. Conducted spurious emission	dBc	≤-56
10. Transient freq.Behavior		
a) TX on	ms	<30
b) TX off	ms	<5
11. Current drain		
Transmit(High)	A	<1.6
Transmit(Low)	A	<0.9
GENERAL STANDARD		
1. Floating&Flash		
2, Waterproof: IP67		
3.Communication Range: About 5 nautical miles		
4. Own an individual DSC receive		
5. Inside 48 channels GPS module		

6. Build in Battery

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