Midland 248

MULTI
NOISE BLANKER
Noise Blanker
Emergency
Dual Watch
Memory
Signal
12V
Power
6 pin

The innovative peculiarity of **Midland 248** consists in its being controlled by a microprocessor. **Midland 248** is synthsized in frequency by a PLL circuit allowing the requested frequencies to be generated by a crystal making for greater reliability and flexibility in the control of the same.
Midland 248 is equipped with the **"NOISE BLANKER SYSTEM"** (noise reducer device) that reduces considerably the audio noises (up to 95%), allowing a clear communication even when the signal is disturbed.

Main features

- Multi standard radio
- Noise Blanker System
- Blue backlit multifunctional display
- Backlit controls
- 4 memory positions
- RF Gain: control of the sensibility in RX
- Mic Gain: control of the amplification of the microphone in TX
- Fast selection channels: Quick Up/Down
- Scan - Dual Watch - Squelch
- Emergency channel
- Compact microphone "Precision Series" with Up/Down scroll buttons
- External S-Meter jack
- **Mike connector: 6 pin**

Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
code C879

Midland 248XL

MULTI
NOISE BLANKER
Noise Blanker
ESP2
ESP 2
Emergency
S-Meter
Dual Watch
Memory
12V
Power
6 pin

Midland 248XL is a mobile transceiver whose main feature is the possibility to select any of the European CB bands with an easy and quick operation. Midland 248XL is equipped with the **"ESP2"** and **"NOISE BLANKER"** (noise reducer devices) that reduce considerably the audio noises up to 95%, allowing a clear communication even when the signal is disturbed.
Midland 248XL is also equipped with an analogical S-Meter, showing the transmitted power and the signal received.
The unit is preset at the factory on the **"EC"band, CEPT 40CH FM 4W.**

Main features

- Multi standard radio
- ESP2: noice reducer
- Noise Blanker System
- Blue backlit multifunctional display
- Backlit controls
- 5 memory positions
- RF Gain: control of the sensibility in RX
- Mic Gain: control of the amplification of the microphone in TX
- Fast selection channels: Quick Up/Down
- Scan - Dual Watch - Squelch
- Emergency channel
- Compact microphone "Precision Series" with Up/Down scroll buttons
- External S-Meter jack
- **Mike connector: 6 pin**

Packaging and codes

1 radio, microphone, mounting bracket and fixing screws, power supply cable
code C892

Technical specifications

Model	**Midland 248**	**Midland 248 XL**	**Midland 278**
CB type	Multistandard mobile	Multistandard mobile	Multistandard mobile
General			
Channels-Band	see table on page 32	see table on page 32	see table on page 32
Frequency range	**26.565-27.99125 MHz**	**26.565-27.99125 MHz**	**26.565-27.99125 MHz**
Power voltage	12,6 Vcc ± 10%	12,6 Vcc ± 10%	12,6 Vcc ± 10%
Dimensions (WxHxD)/Weight	**180x50x150 mm/1 Kg**	**150x45x175 mm/1 Kg**	**180x35x140 mm/0,850 Kg**
Mic jack	6 pin	6 pin	6 pin
Receiver			
Sensitivity (20dB SINAD)	0,5 µV (AM/FM)	0,5 µV (AM/FM)	0,5 µV (AM/FM)
Audio output power	**> 3 W@ 8 Ohm**	**> 3 W@ 8 Ohm**	**> 3 W@ 8 Ohm**
Audio distorsion	< 8% @ 1KHz	< 8% @ 1KHz	< 8% @ 1KHz
Transmitter			
Output power	4 W	4 W	4 W
Modulation	**FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%**	**FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%**	**FM: 1,8 KHz ± 0,2 KHz AM: da 85% a 95%**
Max absorbed current	2500 mA	2500 mA	2500 mA

Model	**Midland 200**	**Midland 220**	**Alan 121**
CB type	Multistandard mobile	Multistandard mobile	Multistandard mobile
General			
Channels-Band	see table on page 32	see table on page 32	see table on page 32
Frequency range	**26.960 - 27.405 MHz**	**25.625 - 30.105 MHz**	**25.625 - 30.105 MHz**
Power voltage	13,8 Vcc max	12,6 Vcc ± 10%	12,6 Vcc ± 10%
Dimensions (WxHxD)/Weight	**125x37x166 mm/ 0,795 Kg**	**170X52X170 mm/1,020 Kg**	**165 x 38 x 123 mm/0,820 Kg**
Mic jack	4 pin (not compatible with Alan 48 and 68S)	6 pin	6 pin
Receiver			
Sensitivity (20dB SINAD)	better than 1.0 µV	1 µV	< 1 µV
Audio output power	**> 3 W max**	**> 3W @ 8 Ohm**	**> 2W @ 8 Ohm**
Audio distorsion	< 5% @ 1KHz	< 3% @ 1KHz	< 3% @ 1KHz
Transmitter			
Output power	4 W	4W	4W
Modulation	**FM: 1,8KHz ± 0,2KHz AM: da 85% a 95%**	**FM: 1,8KHz ± 0,2KHz AM: da 85% a 95%**	**FM: 1,8KHz ± 0,2KHz AM: da 85% a 95%**
Max absorbed current	FM:1300mA; AM: 1800mA	1100mA	1100mA

Model	Alan 48	Alan 68 S	Alan 8001 S
CB type	AM-FM mobile	AM-FM mobile	AM-FM-SSB mobile
General			
Channels-Band	40 AM - 40 FM	34 AM - 34 FM	40 AM - 40 FM - 40 SSB
Frequency range	26.965 - 27.405 MHz	26.865 - 27.265 MHz	26.965 - 27.405 MHz
Power voltage	12,6 Vcc ± 10%	12,6 Vcc ± 10%	13,8 Vcc ± 10%
Dimensions (WxHxD)/Weight	165 x 58 x 205 mm/1,5 Kg	165 x 55 x 205 mm/1,5 Kg	200 x 60 x 235 mm/2,250 Kg
Mic jack	4 pin	4 pin	4 pin (not compatible with Alan 48 and 68S)
Receiver			
Sensitivity (20dB SINAD)	0,5÷1 µV	0,5÷1 µV	0.25 µV for 10 dB S-N (SSB) 0.6µV for20 dB S+N/N (AM) 0.6µV for 20 dB S+N/N (FM)
Audio output power	> 3W @ 8 Ohm	> 3W @ 8 Ohm	> 4.0 W @ 8 Ω
Audio distorsion	< 5% @ 1KHz	< 5% @ 1 Khz	< 5% @ 1KHz
Transmitter			
Output power	4W	4 W	Plus S: 4W AM/FM/SSB
Modulation	FM 2KHz AM 100%	AM 100% = FM 2KHz	AM: 90% FM: 1.8 KHz +/- 0.2 KHz
Max absorbed current	1100mA	1100mA	1100 mA

Model	Alan 48 Plus Multi B	Alan 48 Excel Multi	Alan 78 Plus Multi B
CB type	Multistandard mobile	Multistandard mobile	Multistandard mobile
General			
Channels-Band	see table on page 32	see table on page 32	see table on page 32
Frequency range	26.565 - 27.99125 MHz	26.565 - 27.99125 MHz	26.565 - 27.99125 MHz
Power voltage	12,6 Vcc ± 10%	13,2 Vcc ± 10% - 24 Vcc ± 15%	12,6 Vcc ± 10%
Dimensions (WxHxD)/Weight	180 x 50 x 150 mm/1 Kg	155 x 50 x 175 mm/1 Kg	180 x 35 x 140 mm/0,850 Kg
Mic jack	6 pin	6 pin	6 pin
Receiver			
Sensitivity (20dB SINAD)	0,5÷1 µV	0.5 µV	0.5 µV
Audio output power	> 3W @ 8 Ohm	> 3W @ 8 Ohm	> 2W @ 8 Ohm
Audio distorsion	< 8% @ 1KHz	< 8% @ 1 Khz	< 8% @ 1 Khz
Transmitter			
Output power	4W	4W	4W
Modulation	AM: da 85% a 95% FM: 1.8 KHz +/- 0.2 KHz	AM: 85% a 95% FM: 1.8 KHz +/- 0.2 KHz	AM: 85% a 95% FM: 1.8 KHz +/- 0.2 KHz
Max absorbed current	1100 mA	13,2 V: 1300 mA 24 V: 1600 mA	1100 mA