

NDP-621/NDP-661

DMR Portable Radio VHF

Working in the potentially harsh environment such as construction site, harbor, manufacturing or petrochemical plants needs a reliable and enduring two-way radio to guarantee safety and enhanced working efficiency. DMR portable radio NDP-621 and NDP-661 provide super audio quality, versatile functionality, durability, security and flexibility to solve problems confronted in the work and to create more value.



IP 67



NDP-621



NDP-661

DMR Portable Radio

NDP-621/NDP-661 DMR PORTABLE RADIO

KEY FEATURES AND BENEFITS

- Rugged Design

NDP-621 / NDP-661 is strictly designed to meet IP67 and MIL-810C /D/E/F/G standard, ensuring good performance in potentially harsh environments such as harbors, manufacturing plants, construction sites, and etc.

- Durable Battery

Two-time slot transmission reduces transmit time in half and thus increases talk time longevity. 2000mAh battery supplied in standard package ensures at least 14 continuous working hours in analog mode and 16 hours in digital mode.

- Improved Audio Quality

Digital error-correction technology rejects noise and static, providing consistent audio quality throughout the coverage area and even in challenging low-lying areas. AMBE+2™ vocoder further improves speech communication. 1.6W audio output and 40mm diameter powerful speaker ensure louder and crisper voice communication.

- Higher Channel Capacity

NDP-621 / NDP-661 can work with a single repeater to achieve twice the traffic capacity without relicensing or rebanding, meaning two voice communications or one voice communication and one data transmission can transmit at the same time in one channel.

- Migrate at Your Own Pace

NDP-621 / NDP-661 radio can operate in both analog and digital mode by channel switching or mixed mode scanning. NDP-621 / NDP-661 can be used on existing analog system and allows you to make smooth migration into digital era at your own pace.

- Versatile Services

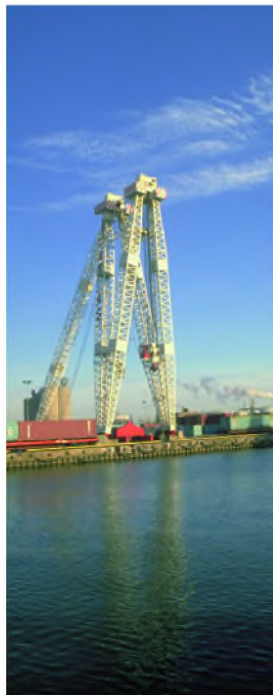
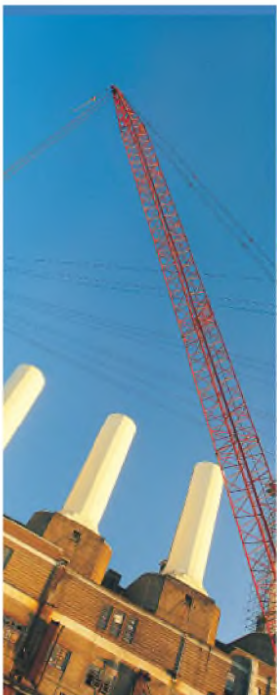
NDP-621 / NDP-661 provides versatile services including individual call, all call, group call, emergency call, radio enable & disable, remote monitor, radio check, call alert, facilitating high-efficient communication and management.

- Text Message

When it is not convenient to have voice communication, text message offers a quiet communication choice. You can choose one of the 50 preset messages to initiate a quick transmission or write a free-form message with keypad.

- Secure Communication

The 16-bit digital encryption technology ensures the communication can only be heard by preset group members.



NDP-621/NDP-661 DMR PORTABLE RADIO

MILITARY STANDARDS 810												
810C			810D			810E			810F		810G	
APPLICABLE MIL-STD	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT	METHODS	PROC/CAT		
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.4	II		
High Temperature	501.1	I,II	501.2	I/ A1,II/ A1	501.3	I/ A1,II/ A1	501.4	I/Hot ,II/Hot	501.5	I/Hot A1,II/Hot (A1)		
Low Temperature	502.1	I	502.2	I/C3,II/C1	502.3	I/C3,II/C1	502.4	I/C3,II/C1	502.5	I/C3,II/C1		
Temperature Shock	503.1	-	503.2	I/A1C3	503.3	I/C1A3	503.4	I	503.5	I/C		
Solar Radiation	505.1	II	505.2	I	505.3	I	505.4	I	505.5	I		
Rain	506.1	I,II	506.2	I,II	506.3	I,II	506.4	I,III	506.5	I,III		
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.5	-		
Salt fog	509.1	-	509.2	-	509.3	-	509.4	-	509.5	-		
Dust	510.1	I	510.2	I	510.3	I	510.4	I	510.5	I		
Vibration	514.2	VIII/F,CURVE-W	514.3	I/10,II/3	514.4	I/10,II/3	514.5	I/24	514.6	I/24		
Shock	516.2	I,II	516.3	I,IV	516.4	I,IV	516.5	I,IV	516.6	I,IV		

STANDARD ACCESSORIES



KBC-78Q



KB-78B



KBJ-09



KGC-03



Antenna

STANDARD PACKAGE

- Handheld VHF radio
- Antenna
- Battery (Li-ion 2000 mAh)
- Belt Clip
- Single battery Charger
- Quick user manual



NDP-621/NDP-661 DMR PORTABLE RADIO

NDP-621/NDP-661 SPECIFICATIONS

General Specifications	
Frequency Range	136-174 MHz
Channel Capacity	NDP-621: 32 NDP-661: 1000
Zone Capacity	NDP-621: 2 NDP-661: 250
Channel Spacing	Analog: 12,5 kHz/25 kHz Digital: 12.5 kHz
Operating Voltage	7.5 VDC \pm 20%
Battery	2000 mAh Li-Ion
Dimension (with battery and without antenna)	113mm x 54mm x 34mm
Weight (with battery and antenna)	270g (NDP-621) / 280g (NDP-661)

Transmitter	
RF Power Output	5W / 1W
Frequency Modulation	16K ϕ F3e / 11K ϕ F3E (Analog) 4FSK (Digital)
Antenna impedance	50 Ohm
Modulation Limiting	\pm 2.5kHz
Radiated Spurious Emission	-36dBm<1GHz, -30dBm>1GHz
Adjacent Channel Power	60dB@12.5kHz
FM Noise	45dB@25kHz, 40dB@12.5kHz
Modulation Distorsion	<3%
Digital Vocoder Type	AMBE+2™
Digital Protocol	ETSITS 102 361

Receiver	
Analog and Digital Sensitivity	0,22 μ V@12,5kHz
Adjacent Channel Selectivity	60dB@12.5kHz
Intermodulation	65dB
Spurious Response Rejection	70dB
Rated Audio Output	1W
Hum and Noise	-40dB@ 12,5kHz
Rated Audio Distorsion	<3% (tipical)

UHF VERSION 400-470 MHz – 4/1 W

Model NDP-625/NDP-665

Novelradio reserves the right to change any specifications without warning due to the technology improvement.
For more information, please visit www.novelradio.it or contact info@novelradio.it



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