



WOLFSin WHD800 (K) "KODIAK"



KODIAK Born tough to work hard

WOLFSin KODIAK. (WHD800-K) DMR Digital Hand-portable radio, IP67 waterproof, ultra rugged to MIL SPEC - 810 C, D, E, F, G. UHF: 400 - 470 MHz, UHF-2: 450-520 MHz & VHF: 136 -174 MHz.

The **WOLFSin KODIAK** is our tried and tested systems radio available in keypad (K) and non keypad versions including a specialist GP version for guards/engineers and others who patrol or operate through a given area or factory. The first digital radio designed and produced with an OLED display, saving power whilst giving clear information even in the dark. A full size 1500 mW internal speaker gives superb loud and clear audio. Digital audio at this level does not come better.



The "**KODIAK**" (codified as WHD800, 800K) is IP67+ water proof to 1 metre, is fully DMR standard tier 1 & 2 compliant & compatible with all quality digital and analogue systems.

Not only will you "hear the call™" with the Wolsin KODIAK but the KODIAK will talk to you, uniquely it will announce its zone selection, channel selection, low or high battery condition, with the Wolsin KODIAK even a multi zoned digital system is easy to manage.

The Wolsin WHD800 **KODIAK** is considered the even heavier duty version of the GRIZZLY and it is designed for the toughest of environments. From Manufacturing, processing and civil engineering to Forestry & sawmills to open mountains and estates and EVERYTHING else in between. Specifically able to withstand temperatures of below minus -30oC the Kodiak is the must have radio for mountain ski resorts.

Survival first



Man down - If the KODIAK user falls over and the radio remains at a preset angle or more then the the radio will initiate a man down emergency call procedure to all receiving radios. If the user picks the radio up and puts it upright within a given time period then the man down alarm will reset.



Loan Worker - After a preset time the radio will switch to pre- alert and sound a warning tone, during which the operator must press a switch or button, this then confirm that the user is safe and the loan worker counter starts over, if the button is not pressed then the radio sends out an emergency call to all receiving radios.



Emergency call - The Kodiak user presses the top orange button for a preset short time and the radio immediately sends out an emergency call to all receiving radios.

1.2.3-ABC

Unique caller ID - All Kodiak's send their unique ID code and this can be seen on the KODIAK-K, LCD* version displaying a number, name or both.



Advanced patrol/guard feature - The KODIAK GP (WHD810 non LCD version - not shown on this brochure) can be upgraded to receive /monitor and forward transmit location information from RFID beacons strategically located across any site/factory or location being operated in or patrolled/secured. This information is transmitted back to a smart dispatch system (optional extra) and can be displayed on an compatible plotted building layout or geographical area. As part of the feature additional encryption can be accessed.

The **KODIAK** is especially at home in any factory, food processing plant, Forestry or Wood Mill, Ski & mountain resort, Construction or Civil Engineering, Motorway or road control, Airport, School and College, Sport centre, Stately home and estate, Farm or at the beach. GRIZZLY excels in security and crowd control environments. * Optional

Visit www.wolfsin.net for more information



The KODIAK.



ACTUAL SIZE OF KODIAK & KODIAK - K



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KODIAK BASIC FEATURES & FUNCTIONS

● 1024 CHANNELS, ● 64 ZONES ● OLED BRIGHT DISPLAY*. Private call, group call, all call and emergency call ● 1500 mW of audio ● 2200 Mah Li-ion Battery giving 18.00 hour duty cycle on digital ● Battery locking mechanism ● 3 programmable function buttons giving six potential function ● Direct & Repeater mode ● Multi voice annunciation function For Channel, Zone & Battery capacity. ● Mixed Channel (A & D) ● Digital advanced scan ● Digital & Analogue ● Advanced scan modes ● Analogue TOT, BCLO ● VOX ● Digital polite/impolite TOT ● Digital mic gain (Internal & External) ● Analogue Commander ● Analogue repeater tail reverse ● Quick text TX & 1 touch calling (Up to 5 additional upgrades possible) ● Basic digital encryption ● Advanced digital encryption ● Unique user defined encryption ● CPS Read and write locks ● Quick PTT ● Safety colour badging & second skin HI-VIS labelling available to order ● **Display of calling radio number or named ID*, display of emergency radio ID for man down/loan worker/emergency call*** ● Fully signal compatible with Wolfsin HUSKY and GRIZZLY, generally compatible with all quality DMR hand Portables/mobiles.

GENERAL SPECIFICATION	
MODEL	WOLFsin WHD800 / 800-K - KODIAK
FREQUENCY RANGE	UHF - 400 - 470Mhz, 450-520Mhz. VHF - 136 TO 174MHz
CHANNEL CAPACITY	16 channels x 64 ZONES UP TO 1024,
NORMAL OPERATING VOLTAGE	7.4-7.5V
OPERATING TEMP	-30C ~+ 65C
STORAGE TEMP	-40C ~+ 85C
WEIGHT	300G / 310G FOR k VERSION with Battery/belt clip/aerial fitted
DIMENSIONS	H:123.00 X W:58.00 X D:36.5 ALL IN MM WITH STANDARD 2200 MAH LITHIUM BATTERY, Maximum dimensions without belt clip fitted, excludes extrusions.
DUST PROTECTION AND WATER RESISTANCE	IP 67 - WATER PROOF 1 metre for 30 minutes or more
2200 MAH BATTERY LIFE 5/5/90 DUTY CYCLE	ANALOGUE: 12 HOURS, DIGITAL 18 HOURS. DEPENDING ON BATTERY TYPE 5/5/90 DUTY CYCLE
RECEIVER	
FREQUENCY	UUHF - 400 - 470Mhz, 450-520Mhz. VHF - 136 TO 174MHz
CHANNEL SPACING	12.5KHZ ANALOGUE 25/20/12.5KHZ
FREQUENCY STABILITY	+/- 1.0ppm
ANALOGUE SENSITIVITY	0.22uV/-120dBm Type)
DIGITAL SENSITIVITY	0.22uV/-120.0dBm (Ber 5%)
INTERMODULATION	TIA603 : 70dB ETSI : 70dB
ADJACENT CHANNEL SELECTIVITY	TIA603C: 60dB@12.5Khz,70DB@ 25KHZ ETSI: 60dB@12.5Khz, 70DB@ 25KHZ
CO-CHANNEL REJECTION	12Db@12.5Khz
SPURIOUS RESPONSE REJECTION	TIA603C : 75Db ETSI : 70dB
CONDUCTED SPURIOUS EMISSIONS	-57Dbm @ <1GHZ : -47dBm @ > 1GHz
BLOCKING	84dB
RATED AUDIO POWER OUTPUT	1.5W (1500mW)
AUDIO RESPONSE	+1dB ~-3dB
RATED AUDIO DISTORTION	3% typical Specifications subject to change due to continuous development
TRANSMITTER	
FREQUENCY	UHF - 400 TO 470 MHz. 450-520MHz, VHF - 136 TO 174 MHz
CHANNEL SPACING	12.5 KHz ANALOGUE 25/20/12.5KHZ
FREQUENCY STABILITY	+/- 1.0 PPM
POWER	Low Power : 1W . High Power : 4W UHF, 5W VHF
HUM AND NOISE	-40dB@12.5Khz, 45Db @ 25Khz
CONDUCTED, RADIATED SPURIOUS EMISSION	-36dBm @ <1Ghz, -30dBm @ >1GHz
ADJACENT CHANNEL POWER	-60dB @ 12.5KHz
ADJACENT TRANSIENT CHANNEL POWER	-50dB @ 12.5KHz
FM MODULATION MODE	12.5Khz : 11KOF3E, 25Khz : 16KOF3E
4FSK DIGITAL MODE	12.5KHZ (DATA ONLY) 7K60F1D & 7K60FXD 12.5KHZ VOICE ONLY 7K60F1E & 7K60FXE 12.5 KHZ (data and voice) 7K60F1W
MODULATION MAXIMUM DEVIATION	2.5Khz @ 12.5Khz : 5Khz @ 25Khz
NON ACTIVE SLOT POWER	-57dBm
AUDIO RESPONSE	+1dB~-3dB
AUDIO DISTORTION	3% or less typical
DIGITAL PROTOCOL	ETSI TS 102 361-1, -2, -3
VOCODER TYPE	AMBE+2™ Specifications subject to change due to continuous development

The Wolfsin **KODIAK** radio comes supplied with a 2200 Mah capacity Lithium Ion/polymer battery heavy duty belt clip, fast charger pod, UK 3 pin PSU, Stubby, banded or tuned VHF/UHF ¼ whip aerial, short form user manual/cd.

A full range of audio, battery and charging accessories are available.

*Salt and contaminated water must be removed from external metal parts as advised in the user manual and by Wolfsin dealers. Ultimate submersion depth and time can be affected by excessively hot or cold water, running water increases pressure against seals and will reduce the duration the radio can remain submerged without water ingress. Audio accessory cover must be fully and properly closed to meet the full IP standard stated. After Covid 19 certain MCU and electronic components may not be available which may lead to certain functions becoming unavailable please check with your Wolfsin dealer. Products are improved continuously thus specifications may change.

*K - Keypad/LCD version only Visit www.wolfsin.net for more information



Dealer information/card