

WOLFSin

WOLFSin (WHD300) "GRIZZLY"

Born tough to work hard



WOLFSin (WHD300) GRIZZLY. 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 GRIZZLY** comes standard with a class leading 1500 mW internal speaker giving loud and clear audio. Digital audio at this level does not come better. The "GRIZZLY" is IP67 water proof to 1 metre for 30 minutes, is fully DMR standard tier 1 & 2 compliant & compatible and can be used with UHF and VHF digital repeaters (Analogue repeater and B2B capability is also standard in the WHD300).

The **GRIZZLY** 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. Not only will you hear the call with the Wolsin GRIZZLY but the GRIZZLY will talk to you, it will announce channel selection, zone selection, low or high battery, with the Wolsin GRIZZLY even a multi zoned digital system is easy to manage.

GRIZZLY ~ RADIO EVOLVED -

The Wolsin Grizzly eschews the angular squared off design common in today's digital handsets, where poor design and a modern look overcomes functional form. As in nature the Grizzly speaker grill is, on the surface plane, designed to channel away food debris and dust, sawdust and other contaminants including mud and many other thicker liquids. A close look at the speaker grill design shows a forethought to purpose which allows gravity to naturally assist in clearing the grill of any contaminants. Cleaning the GRIZZLY is easy, by simply tilting the radio 20-30 degrees and using a soft toothbrush you just brush away the contaminants. Water is also encouraged to flow away and out off the speaker grill even when the GRIZZLY is upright. Look below the surface of the GRIZZLY and you will see that underneath the grill the GRIZZLY has a protective shield, stopping water and contaminants and helping to reducing the ingress of metal filings. **NO OTHER RADIO IS AS RUGGED OR AS EVOLVED AS THE GRIZZLY.**

TO SURVIVE ANY EMERGENCY -

Man down - If the GRIZZLY user falls over and the radio remains at a preset angle then the GRIZZLY 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 GRIZZLY 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 GRIZZLY user presses the top orange button for a preset short time and the radio immediately sends out an emergency call to all receiving radios.



BY BEING THE BEST PREPARED

- 1024 CHANNELS, • 64 ZONES • 1500 mW of audio
- 1600 Mah Li-ion 4 terminal high quality Battery as standard • Battery safety locking mechanism • 16.0 hour duty cycle (Digital) • 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 Comander • Analogue repeater tail reverse
- Quick text TX & 1 touch calling (Up to 5)
- 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.**



ACTUAL SIZE

Visit www.wolfsin.net for more information

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GENERAL SPECIFICATION	
MODEL	WOLFSIN WHD300 - GRIZZLY
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	265g with Battery/belt clip/aerial fitted
DIMENSIONS	H:116.00 X W:57.00 X D:34.00 ALL IN MM WITH STANDARD 16 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: 11 HOURS, DIGITAL 16 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
FREQUENCY STABILITY	+/- 1.5ppm
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. VHF - 136 TO 174 MHz
CHANNEL SPACING	12.5 KHz
FREQUENCY STABILITY	+/- 1.5 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% typical
DIGITAL PROTOCOL	ETSI TS 102 361-1, -2, -3
VOCODER TYPE	AMBE+2 TM Specifications subject to change due to continuous development

The Wolfsin **GRIZZLY** radio comes supplied with a 1600 Mah capacity Lithium Ion battery heavy duty belt clip, fast charger pod, UK 3 pin PSU, Stubby, banded or tuned 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.

Wolfsin platform radios are tested and retested in the remote Scottish highlands and in the mountain of New Zealand in the most extreme conditions possible. Not only are they manufacture-laboratory tested to the usual MIL Spec 810, TIA/EIA603 and IP specification but are continually extreme tested on land, air and sea trials for months in the harshest conditions possible. Wolfsin test facilities in the UK are based in the outskirts of Inverness, Scotland where we regularly leave Wolfsin radios in biting cold -10 to -25oC conditions for days and nights on end often lying in inches of frozen snow. We test them in driven rain in 100 mph winds (IOL 2014/15/20). We use them in open waters where they are soaked with sea water*.

We heat them to plus 60-70-80oC and then we drop test them again. We test them with our dealers in “trial friendly” sports centres where some models of Wolfsin radios are dropped into swimming pools in depths from 1 to 3 metres for 2 to 180 minutes. We deliberately drop them multiple times onto hard surfaces , throw them, strike them, sit on them, then we do it all again and again until were satisfied that the Wolfsin radio is tough enough to remain a pack member.



Wolfsin radios are designed, redesigned and improved to be simply better.

BORN TOUGH to Work Hard

As our name suggests everyone in the Wolfsin family works harder to make our radios work even harder

Visit www.wolfsin.net for more information