USER GUIDE

July 2016

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AINA Wireless®
PTT Voice Responder

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MANUAL REVISION HISTORY

REV.	DATE	REASON FOR CHANGE
0.01	May 19.	1st release
0.02	May 26.	2nd release
1.0	June 6.	Approved release
1.1	June 21.	Operation and other info added
1.2	June 30.	Review comments
2.0	July 6.	Added regulatory info and approved

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AINA Wireless Inc. (Paumax Oy) is continuously evaluating technical publications that has been produced for completeness and technical accuracy. You can assist us in this process by submitting your comments and suggestions to the following:

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Or email to info@aina-wireless.com

ACKNOWLEDGEMENTS

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Repairs to this equipment should be made only by an authorized service technician or facility designated by the supplier. Any repairs, alterations or substitution of recommended parts made by the user to this equipment not approved by the manufacturer could void the user's authority to operate the equipment in addition to the manufacturer's warranty.

This product conforms to the European Union WEEE Directive 2012/19/EU. Do not dispose of this product in a public landfill. Take it to a recycling center at the end of its life.

SAFETY CONVENTIONS

The following conventions are used throughout this manual to alert the user to general safety precautions that must be observed during all phases of operation, service, and repair of this product. Failure to comply with these precautions or with specific warning elsewhere in this manual violates safety standards of design, manufacture, and intended use of the product. AINA Wireless assumes no liability for the customer's failure to comply with these standards.

REGULATORY

FCC Part 15

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Operation is subject to the following two conditions:
1. this device may not cause interference and
2. his device must accept any interference, including interference that may cause undesired operation of the device.

FCC RF Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Industry Canada
1. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

OVERVIEW

The AINA PTT Voice Responder is a wireless device that utilizes Bluetooth technology. The Voice Responder incorporates a speaker, microphone with push to talk, emergency button and auxiliary buttons. Support for an audio headset is provided by a 4 pin audio jack (iPhone compatible), when used, device speaker will be muted. The internal battery is charged using an industry standard micro-USB connector. The rear of the Voice Responder includes a clip for attachment to a lapel or belt.

The Voice Responder supports so called covert mode, when activated LED indications are suppressed and audio annunciations are selectively muted.

The AINA PTT Voice Responder supports Android, iOS and Windows devices running a PTT application. Depending on the PTT application buttons may have different functionality assigned to them. For detailed instructions on button functions please read device and application manual.

Figure 1: Controls and Indicators

Volume up

Volume down

Docking Station
connector

Mirco USB
connector

Audio
connector

Figure 2: Rear View and connectors

INCLUDED IN THE PACKAGE

1 pcs AINA PTT Voice Responder
1 pcs USB A to micro-USB charging cable

OPERATING WITH VOICE RESPONDER

CHARGE THE BATTERY

The Voice Responder should be charged before first use and it should take 3-5 hours.

1. Power OFF the Voice Responder and connect the micro USB cable to the USB port. Or use optional Docking Station.
2. Connect the USB-A connector to a wall charger or a computer. The charger should provide at minimum a 500mA current When docking station is used charger should provide at minimum a 700mA current.
3. A SOLID RED light on the Voice Responder indicates charging. The light turns SOLID GREEN once the unit is fully charged.
4. If powered on during charging: combination of solid red and the other colors, depending on the state.

NOTE: When taken out from sales box the PTT Voice Responder is in Storage mode and POWER needs to be turned on once to switch on normal mode.
NOTE 2: Maximum allowed charging current is 2.8A

POWER ON/OFF AND INDICATIONS

1. Power on and off: Press the power button for 3 seconds and release.
2. Storage mode: Press power and Emergency button, after beep release first Power button and then Emergency button. This mode can be used for long time storage or transport.
3. After power up, the LED indicator may be turned off, if desired, by operating the device in Covert mode (see next page).

VOLUME CONTROL

Volume up and down can be controlled by pressing the volume button long on the side of the Voice Responder. An audio beep indicates each volume step. Long beep indicates that volume is at highest or lowest position.

PAIRING

NOTE: Refer to the user documentation for the phone (and application) when performing this procedure. Voice responder will stay on connectable mode
5 minutes after that device will go to sleep mode.

1. Delete previously paired device through the phones Bluetooth menu.
2. Perform a unpairing on the Voice Responder (see below for instructions).
3. From the phones Bluetooth menu select add new Bluetooth device. Follow the steps displayed on the phone, and select the desired Voice Responder to pair. See the following table for LED and audio indications for troubleshooting.

CLEAR PAIRING

If reset is need to Voice Responder software. Press and hold SWB1, SWB2, PTT1 and secondary PTT buttons.

After few seconds yellow LED blink indicates that the Voice Responder has been reseted and is pairable again.

LEDS DISABLE MODE

LEDs Disable -mode will disable LEDs for Connected, Call setup and Active -states. Event LED indications, audio routing and audio feedback are unaffected by LEDs Disable -mode.

COVERT MODE

In Covert mode LEDs and speaker are shut off. If a headset is connected, incoming audio will be routed to the headset.

EVENTS AND LED PATTERN

EVENT	COLOR			LED PATTERN	NOTE
Power ON	🟩			On for 2s	
Connectable	🟩	🟩	🟩	3 blinks, fast	
Pairable	🟩			1 blink, fast	Continuous
Power OFF	🟥			On for 2s	
SW reset	🟨			On for 5ms	On until reseted.
Connected	🟦	🟦		2 blinks	
Active	🟦			1 blink	
Active, muted	🟦	🟥		2 blink	
Call setup	🟪			1 blink, fast	
Link loss	🟨	🟨	🟨	3 blinks, fast	Repeats simultaneously with Connected state with approx. 15s interval.
Covert ON	🟦			On for 2s	
Covert OFF	🟦			On for 2s	
LED enable	🟦			On for 2s	
LED disable	🟦			On for 2s	
PPT1 (PTT, secondary) pressed	🟥			On continuously	On until button released.
Charging	🟥			On continuously	Other led might be mixed in.
Charging completed	🟩			On continuously	Other led might be mixed in.
Low battery	🟥			Same pattern as active state	Pattern will be the same only color will changed to red.

BUTTONS

BUTTON	STATE	DURATION	ACTION
Power	Power off	Long	Power on
	Any	Long	Power off
MFB	Call establishment (incoming)	Short	Answer
	Call establishment, active call	Long	Reject/End
	Active call	Short	Toggle Mute
	A2DP streaming	Short	Pause /play stream
	A2DP streaming	Long	Stop stream
SWB1	A2DP streaming	Short	Previous song
	Any	Long	Toggle LEDs
SWB2	A2DP streaming	Short	Next song
	Active audio, headset active	Long	Toggle between headset and Voice responder microphone
PTT	Connectable	Short	Reconnect
	Muted	Short	Unmute while pressed
PPT, secondary	Connectable	Short	Reconnect
SWB1 + SWB2 + PTT + PTT secondary	Any	Very Long	SW reset, removes pairings
SWB1 + SWB2	Any	Long	Toggle Covert mode
Emergency + power	Any	Long	Shutdown to storage state

Button presses have 3 different lengths of presses:
- short (less than 2 seconds)
- long (more than 2 seconds)
- very long (more than 5s)

Each press length can trigger a different type of action, depending of current state.

AUDIO FEEDBACK

EVENT	TONE	NOTE
Pairing successful	Short beep	
Power on	4 note rising scale	
Power off	4 note downward scale	
Reconnect attempt	Short beep	
Cancel / end call	Short beep	
Reset paired devices	Low double beep	
Mute on	Short high beep	
Mute off	Short high beep	
Audio transfer	Short beep	When AG requests audio switch
Link loss	Short beep	Repeats on top of connected state with approx. 15s interval
Low battery	Warning tone	
Covert on or off	Short beep	
LEDs disable on or off	Short beep	
Reconnect success	Beep	

OPERATION

Voice Responder supports battery state information, so you can see current battery level from PPT application.

If you need to clean up Voice Responder, please use water and for example microfabric towel.

MICROPHONE PERFORMANCE TIP

For best quality of speech, don't hold the microphone directly in front of your mouth and don't shout. Best results are achieved when Voice Responder is at 15-20 cm in front of your mouth and speaking in a normal volume.

TECHNICAL DATA

	VALUE	UNIT
Operation time	24	h
Operational temperature	-30 to 60	°C
Charging is prevented outside temperature range	0 to 40	°C
Maximum charging current	2.8	A
Bluetooth specification	2.1 + EDR	

	VALUE	UNIT
Bluetooth range at free space (Class 2 nominal)	10	m
Dimensions	76 x 88 x 34	mm
Weight	110	g

For more instructions on setting up and tips for your Voice Responder, please visit on our web site at www.aina-wireless.com

There you can also give feedback, if there is something that we should improve.

CUSTOMER CARE

If any part of the equipment is damaged on arrival, contact the shipper to conduct an inspection and prepare a damage report. Save the shipping container and all packing materials until the inspection and the damage report are completed.

In addition, contact the Customer Care to make arrangements for replacement equipment. Do not return any part of the shipment until you receive detailed instructions from a AINA Wireless representative.

Contact the Customer Care at:
Phone Number: + 358 40 322 6717
E-mail: info@aina-wireless.com

WARRANTY REGISTRATION

Please register this product within 10 days of purchase. Registration validates the warranty coverage, and enables AINA Wireless to contact you in case of any safety notifications issued for this product. PPT Voice Responder has 2 years limited warranty, excluding battery.

Registration can be made on-line at the Customer Care webpage:

www.aina-wireless.com

While on the webpage, please review the applicable battery and/or product warranty literature.