

# AINA PTT Voice Responder

## USER GUIDE



AINA Wireless

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Repairs to this equipment should be made only by an authorized service technician or facility designated by the supplier. The opening of the device's back cover or any repairs, alterations or substitution of parts made to this equipment not approved by the manufacturer will 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 or open fire. Take it to a recycling center at the end of its life.

Hereby, AINA Wireless Finland Oy declares that the radio equipment type AINA PTT Voice Responder (APTT2) is in compliance with Directive 2014/53/EU

The full text of the EU declaration of conformity is available from the following internet address: [www.aina-wireless.com/certifications-and-declarations](http://www.aina-wireless.com/certifications-and-declarations)

## 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.

## 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. this 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.
2. 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.

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## OVERVIEW

The AINA PTT Voice Responder is a wireless communication device that utilizes Bluetooth technology. The PTT Voice Responder incorporates a speaker, a microphone with push-to-talk, an emergency button and auxiliary buttons. In addition, support for an audio headset is provided by a 4 pin audio jack (iPhone compatible), which, when in use, mutes the device's speaker. The internal battery is charged using an industry standard USB-C connector. The rear of the PTT Voice Responder includes a clip for attachment to a lapel or belt.

The PTT Voice Responder also supports Covert mode. When this is activated, LED indications are suppressed and audio annunciations are selectively muted.

The PTT Voice Responder supports Android, iOS and Windows devices running a push-to-talk (PTT) application. Depending on the chosen PTT application, buttons may have different functionalities assigned to them by the PTT app developer. For detailed instructions on button functions please read device and application manual.



Figure 1: Controls and indicators



Figure 2: Rear view and connectors

## INCLUDED IN THE PACKAGE

1 pcs AINA PTT Voice Responder

## OPERATING THE PTT VOICE RESPONDER

### CHARGE THE BATTERY

- Connect a USB-C cable to the USB port on the device. Then charge the device either from a wall charger or a computer. The charger should provide at minimum a 500mA current.
- Alternatively, if a docking station is used, the charger should provide at minimum a 700mA current.
- A SOLID RED light on the PTT Voice Responder indicates charging. The light turns SOLID GREEN once the unit is fully charged. If powered on during charging, the LED will be a combination of solid red and other colors, depending on state of the device.

NOTE: Maximum allowed charging current is 2.8A

## UNPAIRING / SOFTWARE RESET

To unpair your PTT Voice Responder from your device, you need to reset its software, by pressing and holding simultaneously both arrow buttons, PTT1 and PTT2.

After six seconds, the LED will turn off which will indicate that the PTT Voice Responder has been reset and is in a pairable mode 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 this mode. Press the left arrow button for long to (de)activate.

## COVERT MODE

In Covert mode the LED and speaker are shut off. If a headset is connected, incoming audio will be routed to the headset. Press both arrow buttons simultaneously for long to (de)activate.

## EVENTS AND LED PATTERNS

EVENT	COLOR	LED PATTERN	NOTE
Power ON		On for 2s	
Connectable	  	3 blinks, fast	
Pairable		1 blink, fast	Continuous
Power OFF		On for 2s	
Unpairing / SW reset		Off	
Connected	 	2 blinks	
Active call		1 blink	
Active call, muted	 	2 blink	
Call setup		1 blink, fast	
Link loss	  	3 blinks, fast	Repeats simultaneously with Connected state with approx. 15s interval.
Covert ON/ OFF		On for 2s	
LED enable/ disable		On for 2s	
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	PRESS DURATION	ACTION
Power	Power off	Long	Power on
	Any	Long	Power off
	Power off	Very Long	Power on and enter pairable state
Multifunction	Call Establishment (incoming)	Short	Answer
	Call Establishment, active call	Long	Reject/End Call
	Active call	Short	Toggle Mute
Left arrow	Any	Long	Active LED toggle
Right arrow	Active audio, headset with mic plugged	Long	Change between headset and Voice Responder microphone
PTT1	Connectable	Short	Reconnect
	Active call, muted	Short	Unmute while pressed
PPT2	Connectable	Short	Reconnect
Left arrow + right arrow + PTT1 + PTT2	Any	Very Long	Software reset, remove pairings and enter pairable state
Left arrow + right arrow	Any	Long	Covert mode on/off

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 falling scale	
Reconnect attempt	Short beep	
Link loss	Long low beep	Repeats on top of connected state with approx. 15s interval
Low battery	Warning tone	
Reconnect success	Beep	

## ADDITIONAL TIPS

- ☒ The PTT Voice Responder supports battery state information, so you can see current battery level from PPT application and phone.
- ☒ If you need to clean up your PTT Voice Responder, please use water and for example a microfabric towel.
- ☒ 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.
- ☒ Avoid contact with magnetic stripe cards.

## TECHNICAL DATA

	VALUE	UNIT
Operation time	48	h
Operational temperature	-20 to 60	°C
Charging is prevented outside temperature range	10 to 40	°C
Maximum charging current	2.8	A
Bluetooth specification	5.2	
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 PTT Voice Responder, please visit our website [www.ainaptt.com](http://www.ainaptt.com)

There you can also give us 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 Customer Care at:

Phone Number: + 358 40 322 6717

E-mail: [sales@ainaptt.com](mailto:sales@ainaptt.com)