WILLIAMS SOUND®
Helping People Hear

With SORIN, your voice will never get tired.

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SORIN

User's Manual

MAN 141A

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SORIN Personal Voice Assistant

Installation Guide & User Manual

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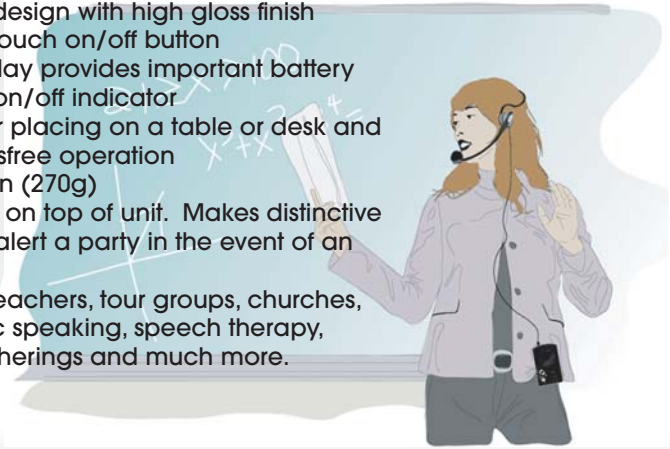
System Components

(1) SORIN amplified speaker (SPK 025)
(1) Handheld microphone (MIC 040)
(1) Headset/earclip with mini USB connector (MIC 041)
(1) Li-ion Battery pack (BAT 040)
(1) Power supply, switcher US plug (TFP 040)
(1) Auxiliary input cable, 3.5mm-3.5mm, 120 cm (WCA 042)
(1) Speaker stand, black (STD 006)
(1) Belt Clip, black (CLP 024)
(1) System carry case (CCS 040)
(1) Speaker pouch, black (BAG 030)
(1) Shoulder strap/lanyard, 150 cm (RCS 006)
(1) Belt strap, 120 cm (RCS 007)
(2) Lanyard connectors (LCC 001)
(1) Mini USB jack extension cable, 350cm (WCA 043)
(1) Manual

System Features & Benefits

- Powerful digital amplifier with 12V, 20W DC/DC converter technology
- Main speaker has an output of 5W (max 10W) and mini woofer of 1W (Max 2W)
- Connects to external devices such as an MP3 player through the AUX input
- Durable, unique design with high gloss finish
- Convenient one-touch on/off button
- Easy to read display provides important battery information and on/off indicator
- Includes stand for placing on a table or desk and belt clip for handsfree operation
- Lightweight design (270g)
- Siren/alert button on top of unit. Makes distinctive "beep" sound to alert a party in the event of an emergency.
- Ideal for school teachers, tour groups, churches, workshops, public speaking, speech therapy, sports events, gatherings and much more.



Important Safety Information

- Keep out of reach of children and pets
- If the product becomes wet: *do not use*. Call Williams Sound customer service: 800-843-3544 or 1-952-943-2252
- Do not handle charging cable with wet hands
- Prior to using, set the volume on the speaker to the lowest level. Once on, adjust the volume only to the minimum level needed
- Do not position the speaker too close to the ears
- Do not attempt to disassemble or repair the product
- Do not drop, shake, or expose to impacts
- Do not set heavy objects on top of the unit
- Do not use the system in high humidity environments
- Do not expose the product to dirt and grime
- Avoid using the product in direct sunlight or high temperatures
- Do not clean the product with chemicals
- Do not push multiple buttons at one time
- If the product is not used for a long period, *disconnect* the battery from the speaker. Charge the battery every three months to maintain normal operation.
- Store battery at room temperature only (between 40° to 80° F).
- Do not expose battery to temperatures above 140° F for any extended period
- Do not charge the battery for extended periods of time. This may overheat and damage the unit
- Do not use a charger or auxiliary input cord not included with this system or it may damage the unit
- If you experience feedback (a squealing or howling sound), reduce the volume setting and move the microphone away from the earphone or headphone
- This product is designed for domestic use. Therefore, if using overseas, a charger adapter will be required

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Instructions: Battery Installation

IMPORTANT: The battery shipped with this unit was disconnected at the factory. Prior to using the Sorin product, connect the battery as shown:

1. Pull down the cover while pressing the upper part of the company's logo with thumbs.

2. The battery will be visible after opening the cover.

3. Connect the battery to the product.

4. Close the case.

WARNING: Use only the battery pack sold with this unit. Never charge the battery with a substitute battery charger.

Do not allow the battery to become short circuited.

Turning power on/off

- Individual power buttons located on speaker, ear mic and compact mic
- Speaker turns ON after pushing the button for 1 second
- Speaker turns OFF after pushing the button for 1 second

Charging the Speaker

Charge the speaker as follows:

Charging terminal

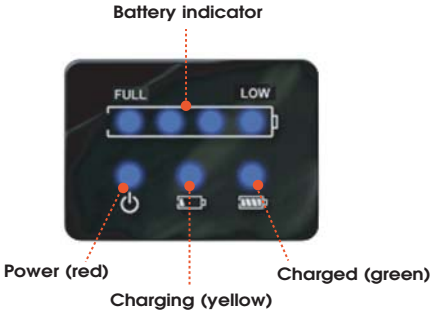
1. Open the rubber cap on the left side of the speaker

2. Connect charging cable to the lower slot

- Prior to use, charge the unit for at least 3 hours.
- If the product is not used frequently, disconnect the battery in the battery compartment. Charge the battery every 3 months to maintain proper function

Important: Only charge the battery at temperatures between 32° to 110° F.

Checking the Battery



Battery indicator chart

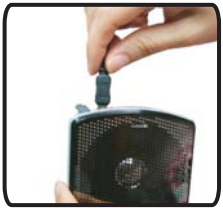
80%	60%	40%	20%	
Green	Green	Green	Red	(FULL)
	Green	Green	Red	
		Green	Red	
			Red	(LOW)

- Users can verify if the battery is charged, charging, and if the power is on/off.
- If the indicator shows “GGGR,” the battery is full charged and ready for use.
- If the indicator shows “R,” the unit needs charged.

Using the Microphone

Mic connection terminal

1. Open the rubber cap on top-left side of the speaker



1. Connect microphone cable to the speaker

- Connect microphone cable to the microphone terminal.
- Turn the power on by pressing the power button for 1 second
- Adjust the volume control on the microphone

If you experience feedback, lower the speaker volume and/or move the microphone away from the speaker.

Connecting External Devices

- Users may connect external audio devices such as an MP3 or CD player to the AUX input on the speaker.

1. Connect MP3 player or CD player with AUX cable and to the AUX input on the left side of the speaker

Using the Stand

Set the Sorin on a flat surface such as a table or desk.

1. Set the stand on the three o'clock position on the back side of the speaker and turn 90 degrees to lock into place

Using the Waist Band & Belt Clip

1. Place the belt clip at a three o'clock position on top of the metal plate on the back of the speaker. Turn the belt clip 90 degrees to lock into place.

Using the Shoulder Strap

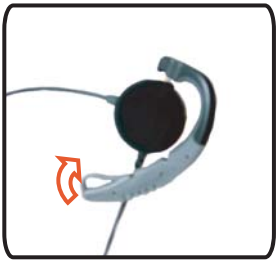
1. Install strap clips on both sides of the speaker

2. Connect the shoulder strap to the strap clip

The shoulder strap can also be used with the carry case.

Using the Ear Microphone

- Place the microphone over ear and adjust for size and comfort
- Bend the boom on the microphone so it is positioned close to the mouth



Troubleshooting

Q: The power indicator light is not on.
A: The rechargeable battery may be depleted. Charge the battery for at least 3 hours.

Q: The product is not working properly, or does not work at all.
A: Disconnect the battery, reinstall and turn on the power. If the product still isn't working, contact Williams Sound customer service: 800-843-3544 or 1-952-943-2252.

Q: There is no sound from microphone.
A: Remove the microphone from the speaker. Blow out any visible dust or material from the microphone element.

Q: The battery runs for only a short time, despite charging it completely.
A: Disconnect the battery, then reinstall and charge again.

If you have used the battery for more than a year, the battery may need to be replaced. Call Williams Sound customer service to order a replacement battery (part no.: BAT 040): 800-843-3544 or 1-952-943-2252.

Recycling Instructions

Battery Safety and Disposal

Help Williams Sound protect the environment! Please take the time to dispose of your equipment properly.

Product Recycling for Customers in the European Union:
Please do NOT dispose of your Williams Sound equipment in the household trash. Please take the equipment to a electronics recycling center; OR return the product to the factory for proper disposal.

Battery Recycling for Customers in the European Union:
Please do NOT dispose of used batteries in the household trash. Please take the batteries to a retail or community collection point for recycling.

05/08/2007

Limited Warranty

Williams Sound products are engineered, designed, and manufactured under carefully controlled conditions to provide you with many years of reliable service. Williams Sound warrants the Sorin system against defects in materials and workmanship for TWO (2) years. During the first two years from the purchase date, we will promptly repair or replace the Sorin.

Microphones, earphones, headphones, batteries, cables, carry cases, and all other accessory products carry a 90-day warranty.

If you experience difficulty with your system, call Toll-Free for U.S. customer Assistance: 1-800-843-3544 (U.S.A.) or +1 952 943 2252 (Outside the U.S.A.). If it is necessary to return the system for service, your Customer Service Representative will give you a Return Authorization Number (RA) and shipping instructions. Pack the system carefully and send it to:

Williams Sound Corp.
Attn: Repair Dept.
10321 West 70th Street
Eden Prairie, MN 55344 USA

Your warranty becomes effective the date you purchase your system. Your returned warranty card is our way of knowing when you warranty begins. Please take a moment to fill it out and mail the enclosed card. You may also register your product online: www.williamssound.com/registration.aspx. This information will help us serve you better in the future. Thank you!

Specifications

Dimensions:	3.25" W x 5.4" H x 1.02" D.
Weight:	9.7 oz (with battery)
Color:	Black with silver sides
Battery Power:	Type: 7.4 V, rechargeable, 1800 mAHr (custom) Lithium ion
	Life: Up to 30 hours (contingent upon speaker output level)
	Current drain: 1.5 amps (at nominal listen level), 2.5 amps maximum
Battery Charger:	Type: Switcher, input 110 to 220 VAC at 50 to 60 Hz., output 9 VDC at 1.5 amps with a 2.5 mm DC plug
	Charge time: 2 hours (typical)
Acoustic Performance:	Gain: (HF Ave full on gain, 60 dB SPL in): Handheld microphone: 15.0 dB
	Head worn microphone: 21.0 dB
	Frequency response: 200 to 10 kHz
	Hum and Noise: less than 62 dB SPL
	Distortion: less than 2.8% total harmonic distortion
SPL Output (Max SSPL90):	Handheld microphone: 110.9 dB SPL = 20.9 dB gain
	Head worn microphone: 119.6 dB SPL = 29.6 dB gain
	(Volume at maximum at 3" from speaker)
	Alert SPL Output: (maximum) 124 dB SPL
Controls/ Indicators:	ON/OFF pushbutton switch on top bezel
	Alert/ Siren: two push buttons on top bezel activates different siren tones
	LEDs on front of unit indicate, ON/OFF and low battery
Power Output:	5W
Accessories (included):	Handheld microphone (cardioid) with built a in ON/OFF switch and rotary volume control. Cable is 38" long with a mini USB plug
	Head worn microphone (noise canceling) with inline ON/OFF switch and rotary volume control. Cable is 40" long with a mini USB plug.
	Auxiliary input cable, 48" long, with a 3.5 mm plug on each end
	Zippered carry case, belt clip, stand clip, carry pouch, belt strap, shoulder strap
	Microphone extension cable
Approvals:	CE, RoHS, WEEE
Warranty:	2 years parts and labor (90 days on accessories)

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