



# AMERICAN STARPOWER™ X2 WIRELESS MICROPHONE SYSTEM OPERATING INSTRUCTIONS

## INTRODUCTION

Congratulations on your purchase. The Nady American Starpower™ X2 is the perfect high performance entry-level wireless, with all the advantages of dual wireless microphone operation without cumbersome cords. Delivering clear, high-fidelity audio simultaneously from two microphones, the American Starpower™ X2 can be used for a broad range of home recreational wireless singing and speaking applications.

- All the advantages and freedom of wireless operation (without cumbersome cords)
- Easy to use — simply plug into your sound system
- High performance audio perfect for karaoke/recreational singers, DJ's, and many other applications
- VHF operation for reliable, interference-free performance
- 100+ feet typical operating range — up to 200+ feet line-of-sight



## SYSTEM FEATURES

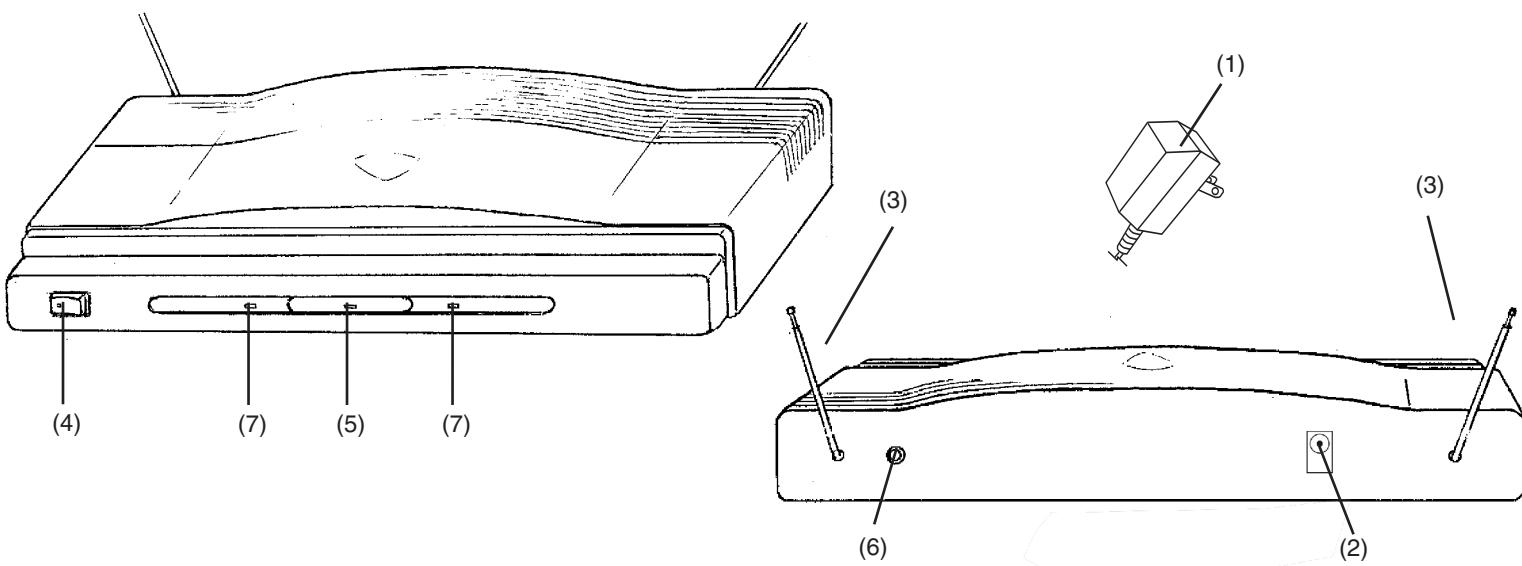
### DUAL RECEIVER

- Controls and connections for easy operation include front panel power ON/OFF switch, Power ON LED indicator, LED signal-received indicators for each channel, back panel 1/4" audio output jack (both channels mixed together), AC/DC power adapter, and dual fold-down retractable antennas

### HANDHELD MICROPHONE TRANSMITTERS

- Easy, convenient operation with OFF/STANDBY/ON switch and transmitter ON LED
- Features a unidirectional dynamic cartridge for high audio performance with minimal feedback
- Operate up to 15 hours on a single 9V alkaline battery

## OPERATION

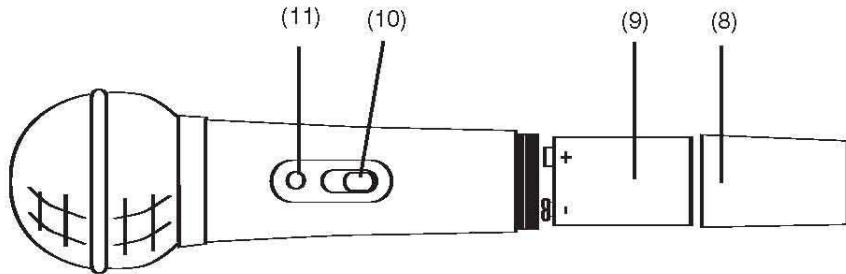


## RECEIVER

1. Plug the attached **AC/DC ADAPTER (1)** into the **DC JACK (2)** and into an empty wall outlet
2. Rotate and extend **ANTENNAS (3)** fully, angled at 60° position as shown
3. Switch the **POWER (4)** to the ON position. The **POWER ON LED (5)** will now light up and the receiver is operational
4. The 1/4" **AUDIO OUTPUT JACK (6)** provides a fixed, unbalanced MIC level audio output for connection to your mixer or home stereo microphone input jack with the 1/4" to 1/4" or 1/4" to RCA audio cables supplied. As when making any connection, make sure the connected equipment's volume is at the minimum level before plugging in the receiver to avoid possible sound system damage

*[Note: this output is the sum audio of the signals received by both the internal receivers]*

## OPERATION



### HANDHELD MIC TRANSMITTER

1. Unscrew the **BATTERY COMPARTMENT COVER** (6) and remove. Insert a fresh alkaline **9V BATTERY** (9), observing correct polarity as marked, and screw the cover back on to the microphone. To ensure proper battery contact, the cover must be screwed on completely.
2. Turn on the handheld mic by sliding the **OFF/STANDBY/ON** (10) switch to the **ON** position. The **BATTERY INDICATOR LED** (11) will light up continuously, indicating usable battery strength. In the case of a dead or low battery, the LED will either light dim or not light at all, indicating that the battery should be replaced with a fresh one.
3. The microphone is now ready to use. The corresponding **LED INDICATORS** (7) on the American Starpower™ X2 receiver should now be lit, indicating a received signal from the transmitter on that channel.
4. The two channels are labeled red and blue, both on the front panel of the receiver and on the band label on the microphone just under the mic ball grill. This color coding enables visual display of which transmitter is turned on and transmitting to the receiver. Both channels can be used simultaneously and this is the preferred method of operation. Single channel operation is also possible. Occasionally, depending on the radio signal environment in which you are using the system, you might encounter static-type noises during single channel operation caused by received radio interference on the open, unused channel which is also mixed into the audio output you are amplifying. If this happens turn on the second microphone transmitter, and if not using, leave nearby (~5–10 feet away) with the **OFF/STANDBY/ON** (10) switch in the **STANDBY** position, which means the transmitter is operating but the audio input is muted. The second channel's **LED** (7) should now also be lit. This should eliminate the interference static.

[Note: Observe care in selecting amplified volume, transmitter location and speaker placement so that acoustic feedback (howling or screeching) will be avoided.]

## SPECIFICATION

### OVERALL SYSTEM PERFORMANCE

Frequency Response: 80-12,000 Hz, +/-3dB

Dynamic Range: 80dB

Total Harmonic Distortion: <3%

RF Carrier Frequency Range: 76.5-87.6 MHz

Frequency Stability: +/- 0.005%

Modulation: FM (F3E), +/-75KHz max.

Operating Range: 100 ft. typical-up to 200+ ft. line-of-sight

### TRANSMITTER

Audio Input: unidirectional dynamic cartridge

Controls: OFF/STANDBY/ON switch

LED Indicator Unit: "ON"

RF Power Out: Up to 0.03mW (Max. allowed by FCC)

Harmonic & Spurious Emissions: <-40dB

Battery: 9V Alkaline

Battery Life: Up to 15 hours

Dimensions (L x Dia): 9.5" x 1.3" x 2", (24.2cm x 3.2cm x 5.1cm)

Weight (w/o battery): 6.0 oz., (170g.)

### RECEIVER

Control: Power ON/OFF

Connector: 1/4" unbalanced audio out jack (both channels mixed together)

LED Indicator: Power ON, Transmitter RF (one each, both channels)

Antennas: 15.3", (38.8cm), dual collapsible antennas

Power Requirement: AC/DC 9VDC/0.2A

Dimensions (W x H x D): 11.8" x 1.8" x 4.5",  
(29.9cm x 4.5cm x 11.5cm.)

Weight: 11.3 oz., (320g.)

Specifications subject to change for product improvement purposes

## SERVICE

**(U.S.)** Should your Nady American Starpower™ X2 Wireless Microphone System require service, please contact the Nady Customer Service Department via telephone: (510) 652-2411 or e-mail: [service@nady.com](mailto:service@nady.com).

**(INTERNATIONAL)** For service, please contact the Nady distributor in your country through the dealer from whom you purchased this product.

*The warranty card supplied with this system provides valuable warranty and service information. Store it in a safe place for future reference. Do not attempt to service this unit yourself as it will void your warranty.*



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