

# PERFORMANCE SERIES WIRELESS

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AUDIX®

# AUDIX PERFORMANCE SERIES

Whether you are a vocalist, musician, performer or presenter, the Audix Performance Series is designed to take the mystery out of wireless with a professional-grade system that is simple, reliable and versatile.

**Going from set up to performance is as easy as:**



## SCAN

Press the hot key to scan for a clear frequency (6 seconds).



## SYNC

Press the sync key to lock in the transmitter to the receiver (2 seconds).



## PLAY!

You are now free to roam the stage!

## RECEIVERS

The receivers for the Audix Performance Series feature a contemporary rack mountable design, rugged construction and intuitive menus.



R41

### R41

- 32 MHz Wide spectrum receiver
- Up to 16 systems / 16 unique channels simultaneous use
- 106 Pre-coordinated frequencies
- 300' (91 Meters) Operating range
- Metal rack-mountable chassis
- RF and AF indicators
- High contrast LCD display
- One-touch auto scan searches for clear channel
- One-touch sync links transmitter to receiver via infrared beam
- Choice of balanced XLR or 1/4" outputs
- Soft keys control output levels, squelch, pilot, lockout
- Wide selection of handheld, instrument, headworn and lavalier microphone options



R61

### R61

- 64 MHz Wide spectrum tuning receiver
- True diversity, dual receiver modules
- Up to 24 systems / 24 unique channels simultaneous use
- 207 Pre-coordinated frequencies / 2560 tunable frequencies
- 450' (137 Meters) Operating range
- Metal rack-mountable chassis
- RF and AF indicators
- High contrast LCD display
- One-touch auto scan searches for clear channel
- One-touch sync links transmitter to receiver via infrared beam
- Choice of balanced XLR or 1/4" outputs
- Soft keys control output levels, squelch, pilot, lockout
- Wide selection of handheld, instrument, headworn and lavalier options



R42 / R62

**R42 and R62** | Dual system housed within a durable rackmount receiver. Operates with one set of antennas and one power supply. Note: Four dual systems may be used with one ADS48 antenna distribution system.

SIMPLE. RELIABLE. VERSATILE.

## TRANSMITTERS

Audix Performance Series transmitters consist of both handheld and bodypack designs. These transmitters work with all Performance Series Wireless receivers.

**Handheld H60** | The H60 transmitter features an elegantly designed slim line body that is compact, well-balanced and comfortable to hold. May be used with dynamic (OM Series) and condenser microphones (VX5).



- 64 MHz Wide spectrum transmitter
- AF and RF gain control
- 10 mW and 30 mW Selectable RF power
- Metal housing / modular antenna design
- Up to 14 hour run time – AA batteries
- High contrast LCD display w/ group-channel-battery indicators
- Soft mute switch

**Bodypack B60** | The B60 bodypack transmitter is contemporary in design, rugged, comfortable to wear and easy to use. May be used with lavalier, headworn and instrument microphones, as well as electric guitar and bass.



- 64 MHz Wide spectrum transmitter
- AF and RF gain control
- 10 mW and 30 mW Selectable RF power
- Metal housing / modular antenna design
- Up to 14 hour run time – AA batteries
- High contrast LCD display w/ group-channel-battery indicators
- Soft mute switch

## SYSTEMS

Below are some of the system options available (over 60 options available). Systems include receiver, antennas, power supply, bodypack or handheld transmitter and microphone.



### 1. HANDHELD

OM2 | OM5 | VX5



### 2. LAVALIER

L5 | ADX10



### 3. HEADWORN

HT2 | HT5 | HT7



### 4. INSTRUMENT

Guitar | Sax | Flute



### 5. COMBO

Guitar and Vocal | Lavalier and Vocal

# SPECIFICATIONS

	<b>R41 / R42</b>	<b>R61 / R62</b>
Frequency Range	A: 522 MHz - 554 MHz / B: 554 MHz - 586 MHz	522 MHz - 586 MHz
Bandwidth	32 MHz	64 MHz
Compatible Systems	Up to 16 systems (R41) / 8 systems (R42) simultaneous use	Up to 24 systems (R61) / 12 systems (R62) simultaneous use
Switchable Frequencies	106 Pre-coordinated frequencies	207 Pre-coordinated frequencies
Manual Mode	n/a	2560 Tunable frequencies (spaced 25 kHz apart)
Frequency Response	45 Hz – 18 kHz	45 Hz – 18 kHz
Compander System	2:1	2:1
Pilot Tone	32 kHz	32 kHz
Receiving System	Single tuner, diversity	Single tuner, true diversity
Signal-to-Noise Ratio	105 dB at 30 kHz deviation (A-weighted)	112 dB at 30 kHz deviation (A-weighted)
Total Harmonic Distortion	≤0.7% (33 kHz deviation at 1 kHz)	≤0.4% (33 kHz deviation at 1 kHz)
Sensitivity	5 dBμV (S/N 60 dB at 25 kHz deviation, A-weighted)	5 dBμV (S/N 60 dB at 25 kHz deviation, A-weighted)
Audio Output (AF=0)	Balanced: -12 dBv @ 25 kHz deviation, 600 ohm load 1/4": -18 dBv @ 25 kHz deviation, 10 kohm load	Balanced: -12 dBv @ 25 kHz deviation, 600 ohm load 1/4": -18 dBv @ 25 kHz deviation, 10 kohm load
Output Connectors	1/4", XLR	1/4", XLR
Audio Level Adjust	Balanced: -12 to +9 dBu Line: -24 to +4 dBu (adjustable in 3 dB-steps)	Balanced: -12 to +9 dBu Line: -24 to +4 dBu (adjustable in 6 dB-steps)
Range	300', (91 m)	450', (137 m)
Power Supply	100 - 240 V / 50 - 60 Hz, 12V DC, 1A	100 - 240 V / 50 - 60 Hz, 12V DC, 1A
Dimensions (W / D / H)	205 mm / 8.07 in x 206 mm / 8.11 in x 44 mm / 1.73 in (R41) 406 mm / 15.98 in x 209 mm / 8.23 in x 44 mm / 1.73 in (R42)	205 mm / 8.07 in x 206 mm / 8.11 in x 44 mm / 1.73 in (R61) 406 mm / 15.98 in x 209 mm / 8.23 in x 44 mm / 1.73 in (R62)
Net Weight	1.92 lb / 0.87 kg (R41) 4.75 lb / 2.1 kg (R42)	2.43 lb / 1.1 kg (R61) 4.75 lb / 2.1 kg (R62)

	<b>H60</b>	<b>B60</b>
RF Power Output	10 mW, 30 mW	10 mW, 30 mW
Frequency Bandwidth	64 MHz	64 MHz
Gain Controls	0 dB, -6 dB, -12 dB	0 dB, -6 dB, -12 dB, -24dB
Input Connector	n/a	3 pin mini-XLR
Batteries Included	2 AA 1.5 V	2 AA 1.5 V
Current Consumption	110 mA typical	110 mA typical
Battery Life	Up to 14 hours	Up to 14 hours
Input Impedance	n/a	Mic: 10 kohm, Line: 1 Mohm
Max Sound Pressure Level	>140 dB (depending on capsule)	128 dB to 140 dB (depending on mic)
Dimensions	2.1 in diameter body, 10.43 in (L) / 53 mm diameter body, 265 mm (L)	67 mm (W) x 90 mm (L) x 17 mm (D) 2.6 in (W) x 3.5 in (L) x .67 in (D)
Net Weight	11.0 oz / 312 g (without batteries)	3.0 oz / 85 g (without batteries)