



Improve learning with the Panasonic A+ Classroom Audio System

Hearing is Learning



Ron Clark,
The Ron Clark Academy

"If you really want to level the playing field, then classroom audio is a necessity for every classroom."

Educational Benefits

- ▶ Provides crystal-clear audio throughout the entire learning space
- ▶ Promotes classroom management
- ▶ Improves student performance
- ▶ Increases student confidence
- ▶ Reduces teacher vocal strain and fatigue
- ▶ Decreases student behavioral issues/suspensions



WX-LT350



WX-LT150



WX-LP100



WX-LA20



WX-LA50A

The Panasonic A+ Classroom Audio System



WX-LA20



WX-LA50A



WX-LP100

WX-LA20, 20 WATT
INFRARED RECEIVER/AMPLIFIER

WX-LA50A, 50 WATT
INFRARED RECEIVER/AMPLIFIER

AUDIO POWER	30 W rms, 50 W peak (<1% THD 50 Hz TO 15 kHz)	50 W rms, 75 W peak (<1% THD 50 Hz TO 15 kHz)
STEREO	MONO	2-CHANNEL STEREO SOUND
FREQUENCY RESPONSE	50 Hz TO 15 kHz +/- 2 dB	50 Hz TO 15 kHz +/- 2 dB
REMOTE CONTROL - FROM MIC PENDANT TEACHER MICROPHONE	OWN-TEACHER 1, OTHER-TEACHER 2, LINE-AUXILIARY INPUTS	OWN-TEACHER 1, OTHER-TEACHER 2, LINE-AUXILIARY INPUTS
RECEIVING FREQUENCIES	TEACHER 1: 2.30 mHz, TEACHER 2 : 2.80 mHz	TEACHER 1: 2.30 mHz, TEACHER 2 : 2.80 mHz
RECEIVER TYPE	TRF (TUNED RADIO FREQUENCY)	TRF (TUNED RADIO FREQUENCY)
SIGNAL-TO-NOISE	>90 dB	>80 dB
DIMENSIONS (HEIGHT x WIDTH x DEPTH)	44 (H) x 210 (W) x 210 (D) mm 2.17 (H) x 8.27 (W) x 8.67 (D) in.	88 (H) x 420 (W) x 250 (D) mm 4.21 (H) x 16.5 (W) x 10.9 (D) in.
WEIGHT	1.25 kg / 2.76 lb	3.6 kg / 7 lb 15 oz
POWER REQUIREMENTS	24 Vdc, 2.5 AMPS (POWER SUPPLY INCLUDED)	24 Vdc, 2.5 AMPS (POWER SUPPLY INCLUDED)
EXTERNAL SENSORS	UP TO 7 SENSORS (ADDITIONAL SENSOR COUPLERS MAY BE REQUIRED)	
REAR PANEL CONNECTIONS	4-AUXILIARY INPUTS FOR TV/DVD, CD • COMPUTER & MP3 LINE OUTPUT • 4-8 Ω SPEAKER CONNECTIONS • DC POWER CONNECTOR • IR SENSOR CONNECTOR • SIGNAL GROUND TERMINAL	FEEDBACK BLOCKER ON/OFF • 4-STEREO AUXILIARY INPUTS FOR TV/DVD, CD, COMPUTER & MP3 • LINE OUTPUT • 8-8 Ω SPEAKER CONNECTIONS • PA OVERRIDE TERMINALS • SAFE SYSTEM FUNCTION OUTPUTS • DC POWER CONNECTOR • IR SENSOR CONNECTOR • SIGNAL GROUND TERMINAL
FRONT PANEL CONTROLS	2-TEACHER VOLUME CONTROLS • 2-BAND EQUALIZER • 2-AUXILIARY VOLUME CONTROLS • 2-SPEAKER VOLUME CONTROLS • 1-POWER SWITCH	UP TO 3 SENSORS (ADDITIONAL SENSOR COUPLERS MAY BE REQUIRED) • 2-TEACHER VOLUME CONTROLS • 3-BAND EQUALIZER (LOW, MID AND HIGH) • 4-AUXILIARY VOLUME CONTROLS • 1-MASTER VOLUME CONTROL • 4-SPEAKER VOLUME CONTROLS • 1-POWER SWITCH
IMAGE REJECTION	>40 dB	>40 dB
RECEPTION SELECTIVITY	+40 kHz	+40 kHz



WX-LT350



WX-LT150

WX-LP100 – INFRARED WIRELESS POWERED SPEAKER

WX-LT350 – PENDANT MICROPHONE / WX-LT150 – HANDHELD MICROPHONE

AUDIO POWER	50 Hz - 15 kHz +/- 3 dB
FREQUENCY RESPONSE	100 Hz ~ 15 kHz (LINE INPUT ~ SPEAKER OUTPUT)
TOTAL HARMONIC DISTORTION	LESS THAN 1%
INTERNAL MIX BUSS	MONAURAL
NUMBER OF INPUTS	2-IR MICROPHONE, 2-LINE
LINE INPUT 1, 2	-12 dBv, UNBALANCED, Ø3.5 MINI JACK (L AND R MIXING FOR STEREO INPUT)
LINE OUTPUT	0 dBv, UNBALANCED, Ø3.5 MINI JACK (MONAURAL AUDIO OUTPUT FOR L AND R)
REMOTE CONTROL - FROM WX-LT350	OWN-TEACHER 1, OTHER-TEACHER 2, LINE-AUXILIARY INPUTS
RECEIVING FREQUENCIES	CH1: 2.3 mHz, CH2: 2.8 mHz
SPEAKER TYPE	12 cm FULL RANGE BASS REFLEX
ENCLOSURE	VENTED FOR EXTENDED LF RESPONSE
DIMENSIONS (HEIGHT x WIDTH x DEPTH)	309 (H) x 187 (W) x 209 (D) mm 12.1875 (H) x 7.375 (W) x 8.25 (D) in.
WEIGHT	APPROX. 3.7 kg / 8.14 lbs.
POWER REQUIREMENTS	24 Vdc (USING THE ATTACHED AC ADAPTOR UNIT)

INFRARED WAVELENGTH	850 nm
NUMBER OF TRANSMISSION CHANNELS	4 CHANNELS (SUB CARRIER FREQUENCIES) (1 CH: 2.3 mHz, 2 CH: 2.8 mHz, 3 CH: 3.2 mHz, 4 CH: 3.3 mHz)
OSCILLATION SYSTEM	PLL FREQUENCY SYNTHESIZER METHOD
RECEPTION RANGE	APPROX. 8 m FROM DOME SENSOR
MICROPHONE TYPE	UNIDIRECTIONAL ECM
FREQUENCY RESPONSE	100 Hz ~ 10 kHz
REQUIRED BATTERY	AA TYPE X1, ALKALINE DRY ELEMENT BATTERY OR NICKEL METAL HYDRIDE RECHARGEABLE BATTERY
BATTERY CAPACITY ALARM INDICATION (AT POWER LED WITH ON)	GREEN: NORMAL FLASHING RED: REQUIRED TO CHANGE OR CHARGE BATTERY SOLID RED: BATTERY CHARGE COMPLETE
OPERATION TIME (AT 25°C, CONTINUOUS USE)	ALKALINE BATTERY: APPROX. 5 HOURS RECHARGEABLE BATTERY: APPROX. 6 HOURS
DIMENSIONS (HEIGHT x WIDTH x DEPTH)	<ul style="list-style-type: none"> WX-LT350: 85 (H) x 50 (W) x 25 (D) mm 3.375 (H) x 1.9375 (W) x 1 (D) in. WX-LT150: 207 (H) x 41 (W) x 37 (D) mm 8.1875 (H) x 1.6125 (W) x 1.456 (D) in.
WEIGHT	<ul style="list-style-type: none"> WX-LT350: APPROX. 55 g / 0.12 lbs. (EXCLUDING BATTERY) WX-LT150: APPROX. 105 g / 0.23 lbs. (EXCLUDING BATTERY)

Panasonic System Networks Company of America

Home & Business Communications