



# Clarity

## The Secret to QSR Success

Introducing Attune™ II — the crush-proof, spill-proof, noise-cancelling, drive-thru headset that can transform a noisy restaurant into an oasis of calm where every order comes through loud and clear. Attune II is the most-effective noise-cancelling headset system in the industry. Combine that with rugged headsets that can take 1,100 lbs. of crushing force and keep working, and you've got a system that can speed orders and save massive amounts in repair and replacement costs.



### Attune II Advantages

#### Active noise cancelation

Reduces low-, mid- and high-volume background noise. Popping on an Attune II headset is like turning down the volume on your entire establishment.

#### Dynamic noise suppression

Attune II suppresses sounds most headphones can't cancel out — like sirens, blaring horns and kitchen chaos.

#### 1.9-GHz Digital Enhanced Cordless Telecommunications (DECT)

Attune II operates on the restricted, DECT band — not the 2.4-GHz band other headsets share with Wi-Fi and cell. This, plus our true, digital packet transmission technology, gives Attune II the bandwidth it needs to deliver maximum clarity.

## Built to take whatever your restaurant dishes out

From its tough, 9/16"-wide headband, to its heavy-duty buttons and fully sealed, oil-, water-, and grease-resistant design, Attune II is built to outlast every competitor on the market.





## Attune Center Module

WX-CC411 & WX-CC412

▪ Operating frequency	1921.536 MHz to 1928.448 MHz
▪ Operating temperature range	-10 °C to +50 °C {14 °F to 122 °F}
▪ Operating humidity range	20 % to 90 % (no condensation)
▪ Power source	AC 100 V to 120 V 50 Hz/60 Hz
▪ Power Connector	Universal Type with an 3 pins AC Inlet
▪ Power consumption	17 W
▪ Dimensions	375 mm (W) × 275 mm (H) × 50 mm (D) {14-49/64 inches (W) × 10-53/64 inches (H) × 1-31/32 inches (D)}
▪ Weight	Approx. 1.9 kg {4.2 lbs.} (Excluding the wall mounting bracket)

## Attune All-In-One Headset (AIO)

WX-CH450

▪ Frequency Characteristic	1921.536 MHz to 1928.448 MHz
▪ Operating Temperature Range	-10 °C to +50 °C {14 °F to 122 °F}
▪ Power Supply	DC 3.7 V (Rechargeable Li-ion Battery)
▪ Dimensions	190 mm (W) × 278 mm (H) × 40 mm (D) {7-1/2 inches (W) × 10-15/16 inches (H) × 1-9/16 inches (D)}
▪ Weight	Mass Approx 130 g {0.29 lbs.} (without Battery)

### MICROPHONE:

▪ Type	Uni-directional Electret Condenser Microphone
▪ Maximum Input Level	110 dB SPL

### HEADPHONE:

▪ Nominal Output Level	96 dB SPL
▪ Maximum Output Level	Less than 115 dB SPL
▪ Frequency Response	300 Hz to 3 kHz

## Belt Pack Order Taker

WX-CT420

▪ Frequency Characteristic	1895.616 MHz to 1902.528 MHz
▪ Operating Temperature Range	-10 °C to +50 °C {14 °F to 122 °F}
▪ Power Supply	DC 3.7 V (Rechargeable Li-ion Battery)
▪ Dimensions	121 mm (W) × 61 mm (H) × 24 mm (D) {4-3/4 inches (W) × 2-13/32 inches (H) × 15/16 inches (D)}
▪ Weight	Mass Approx 110 g {0.24 lbs.} (without Battery)

### INPUT:

▪ Connector Type	2.5 stereo jack
▪ Nominal Input Level	-45 dBV

### OUTPUT:

▪ Connector Type	3.5 monaural jack
▪ Nominal Output Level	-16 dBV (35 ohms)
▪ Frequency Response	300 Hz to 3 kHz
▪ Output Volume Control	+6 dB to -18 dB, 3 dB step

## Wired Headset for Beltpack

WX-CH427

▪ Cord length	1.1 m {3.6 ft.}
▪ Weight	95 g {0.21 lbs.}
▪ Input/output plugs	Combined ø2.5/ø3.5 tip-ring type plug - 2.5 plug: Microphone - 3.5 plug: Speaker

### SPEAKER:

▪ Type	Dynamic
▪ Impedance	35 at 1 kHz
▪ Standard input	10 mW
▪ Maximum input	40 mW
▪ Output sound pressure level	120 dB SPL at 1 kHz, 10 mW input
▪ Frequency response	150 Hz - 6 000 Hz

### MICROPHONE:

▪ Type	Omnidirectional electret condenser microphone
▪ Output impedance	2.2 k at 1 kHz
▪ Sensitivity	-44 dB at 1 kHz (0 dB = 1 V/Pa at 1 kHz)

## Speaker / Microphone

WX-CS460

▪ Input/Output	Stranded cables, connector is attached to the end
▪ Cables	Approximately 2700 mm {106-5/16 inches} two core shielded wire
▪ Connector	Euro type 3P connector
▪ Dimensions	114 mm (W) × 114 mm (H) × 70 mm (D) {4-1/2 inches (W) × 4-1/2 inches (H) × 2-3/4 inches (D)}
▪ Weight	Approx 1.0 kg {2.2 lbs.} (without bracket)

### SPEAKER:

▪ Sound pressure level	90 dB (1 W, 1 m {3.28 feet}, Typical)
▪ Impedance	8 Ω
▪ Frequency response	250 Hz to 15000 Hz (-10dB, Typical)
▪ Power capacity	5 W (RMS*1)

### MICROPHONE:

▪ Sensitivity	-52 dB (0 dB=1 V/Pa, 1 kHz, Typical)
▪ Frequency response	100 Hz - 6000 Hz (-10 dB, Typical)



  
**ATTUNE II**

**1.877.726.2767**  
**us.panasonic.com/attuneII**