



WI-FI ASSISTIVE LISTENING

**WILLIAMS**AV



# WAVECAST

## WI-FI ASSISTIVE LISTENING SYSTEM



### WaveCAST WF T5

WaveCAST is a Wi-Fi platform designed for pro-audio applications where high-quality sound is required for streaming audio in real-time to smartphones and tablets. It is built on a hardware-based DSP audio system architecture, allowing system optimization to achieve the highest quality experience for the particular audio stream being delivered. Hearing assistance can be optimized for hearing loss, music can be optimized for high-fidelity playback, and voice can be set for maximum speech intelligibility. Custom presets can also be established for specific performance applications.

Professional audio inputs on the WaveCAST include 1/4" / XLR, phantom power and a line level output jack. In addition to multi-stage gain control inputs, the DSP features include AGC, limiters, high and low pass filter, and adjustable range compressor control. The 16-bit DAC provides a 48Khz sample rate for a smooth digital stream and minimizes digital harshness. WaveCAST supports both unicast and multicast network configurations. Up to four WaveCAST systems can be connected to the same Wi-Fi network to provide multiple listening channels -- supporting up to 45 users in unicast mode or up to 1,500+ users in multicast mode.

The free WaveCAST listening app provides an easy-to-use, intuitive user interface and is available in iOS or Android. Listeners easily select channel and volume level once their personal device is connected to the Wi-Fi network.

### WaveCAST Dante WF T5 D

WaveCAST Dante is the first Wi-Fi assistive listening system with Dante control. The WaveCAST Dante interface is based on the Audinate UXT Ultimo chipset. This chipset supports both AES67 and SMPTE 2110.

**Ideal for use in:** performance venues, houses of worship, public transportation terminals, education, gaming and fitness centers

# FM+

## ASSISTIVE LISTENING SYSTEM



### **FM+** *FM T55*

Williams Sound is ready to revolutionize the world of assistive listening with the introduction of FM+ -- the industry's first dual-transmission system able to broadcast both FM and Wi-Fi audio from a single device.

Often, the integrator's most difficult choice when designing an assistive listening system is deciding between an FM or Wi-Fi solution for their customer. With FM+, the customer gets both for little more than the cost of an FM-only solution.

The FM+ integrates the new WaveCAST Wi-Fi audio server technology into a Williams Sound FM assistive listening system. End users can now listen with either an FM receiver or with their own smartphone or tablet (via the free WaveCAST Listening app). With this flexibility comes exceptional audio quality, as the FM+ is built on a professional digital audio (DSP) platform. Added plus: Its optional Dante interface provides integrators with a full digital audio networking solution.

FM+ is designed for those who want to use their own smartphones and headphones for a more discreet assistive listening experience. Simplicity is also available for those who want a more traditional assistive listening system with a dedicated FM receiver and headset. FM+ supports both the new iOS and Android WaveCAST listening apps -- in addition to all current and legacy Williams Sound FM receivers operating on the 72-76 MHz bandwidth.

### **FM+ Dante** *FM T55 D*

FM+ Dante is the first FM / Wi-Fi assistive listening system with Dante control. The FM+ Dante interface provides integrators with a full digital audio networking solution. It is based on the Audinate UXT Ultimo chipset. This chipset supports both AES67 and SMPTE 2110.

# RECEIVERS

## WaveCAST Receiver

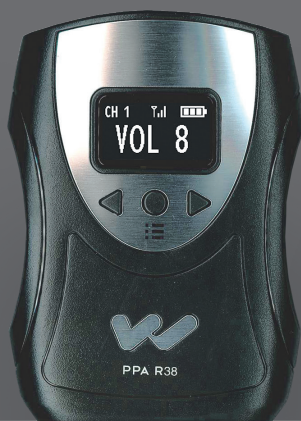
WF R1



This new, industry first Wi-Fi receiver is designed for use with the Williams Sound WaveCAST Wi-Fi assistive listening system. It can be provided for use to end users who prefer not to install the WaveCAST listening app on their personal devices. Easy to use, it offers a digital display and touch-screen channel selection with access to four available channels of Wi-Fi transmitted audio. It is shipped with the WaveCAST listening app already installed. This is the same app that's available in the Google Play store and, so, can be updated at anytime.

## FM Multi-channel Receiver

R38



This multi-channel FM receiver features a high-resolution OLED screen, offering a quick view of receiver status and immediate entry to all user settings. On-screen channel selection with easy access to 17 pre-set, wide-band frequencies (72-76 MHz). Compatible with all Williams Sound 72-76 MHz wide-band transmitters, including the new FM+. Can be purchased with optional, rechargeable batteries and chargers.

## FM Single-channel Receiver

R37



This FM receiver features easy-to-use, seek-button channel selection with access to 17 pre-set wideband frequencies (72-76 MHz). Compatible with all Williams Sound 72-76 MHz wide-band transmitters, including the new FM+. Can be purchased with optional, rechargeable batteries and chargers.





# WAVECAST SYSTEMS

## With WaveCAST Receivers

This large-area, installed system features the WaveCAST transmitter with multiple digital audio input options, and an OLED display with easy-to-manage menu navigation. Features three powerful microprocessors and the same high-quality audio and RF performance you've come to expect from Williams Sound. It's ideal for large venues where superior coverage is essential; its range limited only by coverage of the Wi-Fi network. This complete turn-key solution includes WaveCAST receivers, each featuring a high-resolution touch screen display and on-screen channel selection with access to four available channels of Wi-Fi transmitted audio.

All systems include: (1) Audio Cable, (1) Power Supply, (1) Main Power Line Cord (U.S.) and (1) ADA Wall Plaque

WF SY5 SYSTEMS	WaveCAST Transmitter	WaveCAST D Transmitter (Dante)	WaveCAST Receiver Skin	8-Bay Charger Kit	WAP/Router	Neckloop	Surround Earphone	Headphone	Rack Panel Kit
<b>3-RECEIVER SYSTEMS</b>									
WF SY5 Pro-3	1	.	3	1	.	2	.	4	1
WF SY5 Pro-3 D	.	1	3	1	.	2	.	4	1
<b>4-RECEIVER SYSTEMS</b>									
WF SY5 Pro-4	1	.	4	1	.	2	4	.	1
WF SY5 Pro-4 WAP	1	.	4	1	1	2	4	.	1
WF SY5 Pro-4 D	.	1	4	1	.	2	4	.	1
WF SY5 Pro-4 D WAP	.	1	4	1	1	2	4	.	1
<b>12-RECEIVER SYSTEMS</b>									
WF SY5 Pro-12	1	.	12	2	.	3	12	.	1
WF SY5 Pro-12 D	.	1	12	2	.	3	12	.	1
<b>24-RECEIVER SYSTEMS</b>									
WF SY5 Pro-24	1	.	24	3	.	6	24	.	1
WF SY5 Pro-24 D	.	1	24	3	.	6	24	.	1



# FM+ SYSTEMS

## With FM Single-channel Receivers

This large-area, installed system features the FM+ transmitter with multiple digital audio input options, and an OLED display with easy-to-manage menu navigation. Features three powerful microprocessors and the same high-quality audio and RF performance you've come to expect from Williams Sound. With an operating range of up to 1,000 feet, it's ideal for large venues where superior coverage is essential. This complete, turn-key solution includes FM single-channel receivers, each featuring seek-channel selection with access to 17 available channels (72-76 MHz).

All systems include: (1) Whip Antenna, (1) Audio Cable, (1) Power Supply, (1) Main Power Line Cord (U.S.) and (1) ADA Wall Plaque

FM+ 557 SYSTEMS	FM+ Transmitter	FM+ D Transmitter (Dante)	2-pack AA Batteries	2-pack AA Rechargeable Batteries	2-bay Charger with 2-pack AA Rechargeable Batteries	12-bay Charger	Neckloop	Surround Earphone	Coaxial Antenna	Rack Panel Kit
<b>4-RECEIVER SYSTEMS</b>										
FM+ 557	1	.	4	.	.	.	2	4	.	.
FM+ 557 Pro	1	.	.	.	2	.	2	4	1	1
FM+ 557 Pro D	.	1	.	.	2	.	2	4	1	1
<b>12-RECEIVER SYSTEMS</b>										
FM+ 557-12	1	.	12	.	.	.	3	12	.	.
FM+ 557-12 Pro	1	.	.	12	.	1	3	12	1	1
FM+ 557-12 Pro D	.	1	.	12	.	1	3	12	1	1
<b>24-RECEIVER SYSTEMS</b>										
FM+ 557-24	1	.	24	.	.	.	6	24	.	.
FM+ 557-24 Pro	1	.	.	24	.	2	6	24	1	1
FM+ 557-24 Pro D	.	1	.	24	.	2	6	24	1	1





# FM+ SYSTEMS

## With FM Multi-channel Receivers

This large-area, installed system features the FM+ transmitter with multiple digital audio input options, and an OLED display with easy-to-manage menu navigation. Features three powerful microprocessors and the same high-quality audio and RF performance you've come to expect from Williams Sound. With an operating range of up to 1,000 feet, it's ideal for large venues where superior coverage is essential. This complete turn-key solution includes FM+ multi-channel receivers, each featuring an OLED display and on-screen channel selection with access to 17 available channels (72-76 MHz).

All systems include: (1) Whip Antenna, (1) Audio Cable, (1) Power Supply, (1) Main Power Line Cord (U.S.) and (1) ADA Wall Plaque

FM+ 558 SYSTEMS	FM+ Transmitter	FM+ D Transmitter (Dante)	2-pack AA Batteries	2-pack AA Rechargeable Batteries	2-bay Charger with 2-pack AA Rechargeable Batteries	12-bay Charger	Neckloop	Surround Earphone	Coaxial Antenna	Rack Panel Kit
<b>4-RECEIVER SYSTEMS</b>										
FM+ 558	1	·	4	·	·	·	2	4	·	·
FM+ 558 Pro	1	·	·	·	2	·	2	4	1	1
FM+ 558 Pro D	·	1	·	·	2	·	2	4	1	1
<b>12-RECEIVER SYSTEMS</b>										
FM+ 558-12	1	·	12	·	·	·	3	12	·	·
FM+ 558-12 Pro	1	·	·	12	·	1	3	12	1	1
FM+ 558-12 Pro D	·	1	·	12	·	1	3	12	1	1
<b>24-RECEIVER SYSTEMS</b>										
FM+ 558-24	1	·	24	·	·	·	6	24	·	·
FM+ 558-24 Pro	1	·	·	24	·	2	6	24	1	1
FM+ 558-24 Pro D	·	1	·	24	·	2	6	24	1	1

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