# New Frequency Naming System

On launch of the New 3000 Series and New 5000 Series at NAMM 2018, we will be rolling out a **new wireless band naming scheme**.

Formerly C-Band, D-Band and I-Band, the new wireless band naming will incorporate **two letters and one number**.

Certain legacy A-T wireless like the 2000 Series **will maintain** single character naming scheme. ( i-band )
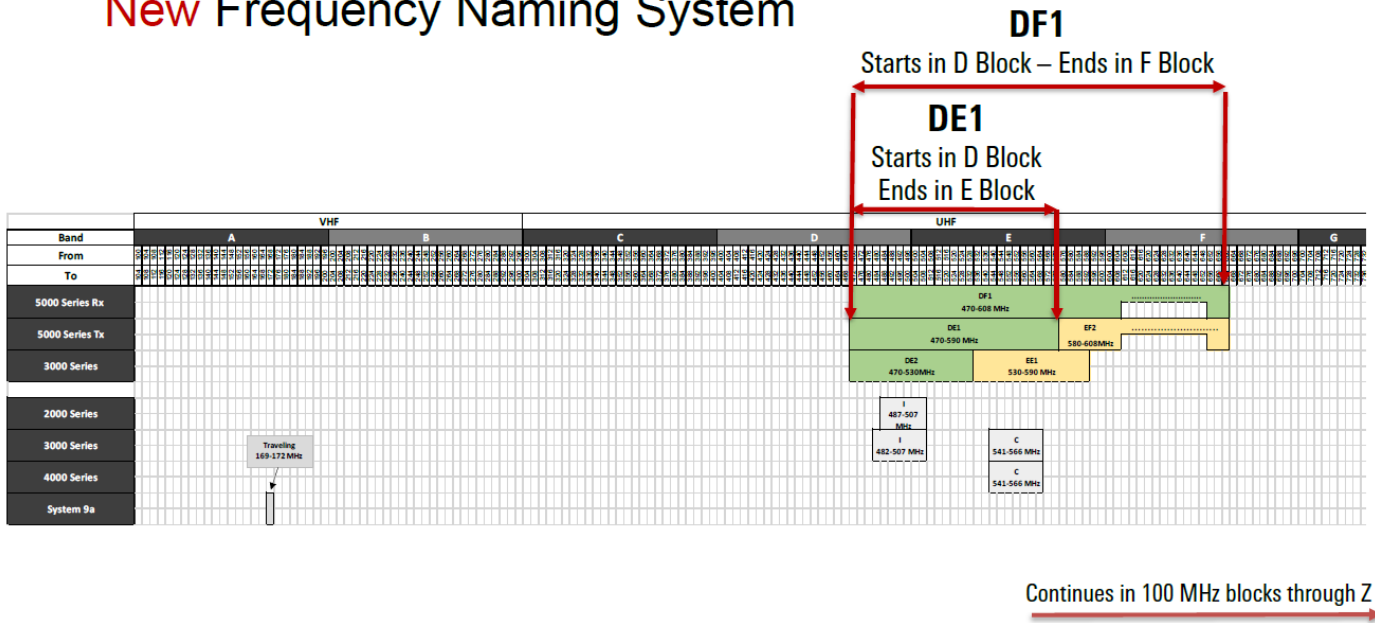
# New Frequency Naming System

The new frequency band naming scheme is based on **100 MHz chunks** of the wireless spectrum; each letter spanning 100 MHz. Example: A = 100-200 MHz; B = 200-300 MHz.

The first letter in the band name indicates in which chunk of spectrum the band *begins*; the second letter indicates in which chunk of spectrum the band *ends*. The band will end with the number "1" unless there are multiple bands that start and end in the same place. In this case, the number at the end is incremented by 1.

# New Frequency Naming System

**DF1**
Starts in D Block – Ends in F Block

**DE1**
Starts in D Block
Ends in E Block

| Band | | A | | B | | C | | D | | E | | F | | G |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| From | | | | | | | | | | | | | | |
| To | | | | | | | | | | | | | | |
| 5000 Series Rx | | | | | | | | | | DF1 470-608 MHz | | | | |
| 5000 Series Tx | | | | | | | | | | DE1 470-590 MHz | | EF2 580-608MHz | | |
| 3000 Series | | | | | | | | | DE2 470-530MHz | | EE1 530-590 MHz | | | |
| 2000 Series | | | | | | | | | I 487-507 MHz | | | | | |
| 3000 Series | | | | | | | | | I 482-507 MHz | | C 541-566 MHz | | | |
| 4000 Series | | | | | | | | | | | C 541-566 MHz | | | |
| System 9a | | Traveling 169-172 MHz | | | | | | | | | | | | |

Continues in 100 MHz blocks through Z

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# New 3000 Series

Frequency-Agile
True Diversity UHF Wireless Systems

The fourth-generation 3000 Series wireless systems provide **easy setup**, **versatile operation** and **rock-solid, richly detailed high-fidelity sound**.

# New 3000 Series

**Extremely wide 60 MHz UHF tuning bandwidth** for **maximum versatility** in an increasingly congested RF environment; available in two frequency bands:
DE2 (470–530 MHz)
EE1 (530–590 MHz)

| | From | To | 400 MHz / 500 MHz / 600 MHz |
|---|---|---|---|
| **3000 Series Rx** | | | DE2 470-530MHz — EE1 530-590 MHz |
| **3000 Series Tx** | | | DE2 470-530MHz — EE1 530-590 MHz |

From: 444 448 452 456 460 464 468 472 476 480 484 488 492 496 500 504 508 512 516 520 524 528 532 536 540 544 548 552 556 560 564 568 572 576 580 584 588 592 596 600 604 608 612 616 620 624 628

To: 448 452 456 460 464 468 472 476 480 484 488 492 496 500 504 508 512 516 520 524 528 532 536 540 544 548 552 556 560 564 568 572 576 580 584 588 592 596 600 604 608 612 616 620 624 628 632

400 MHz     500 MHz     600 MHz

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# New 3000 Series

**Auto Squelch** feature **automatically adjusts squelch setting** to **maximize range** while **minimizing potential interference**.

No more inadvertent end-user squelch issues. At startup the system evaluates the RF environment and **automatically optimizes** the receiver's squelch level.
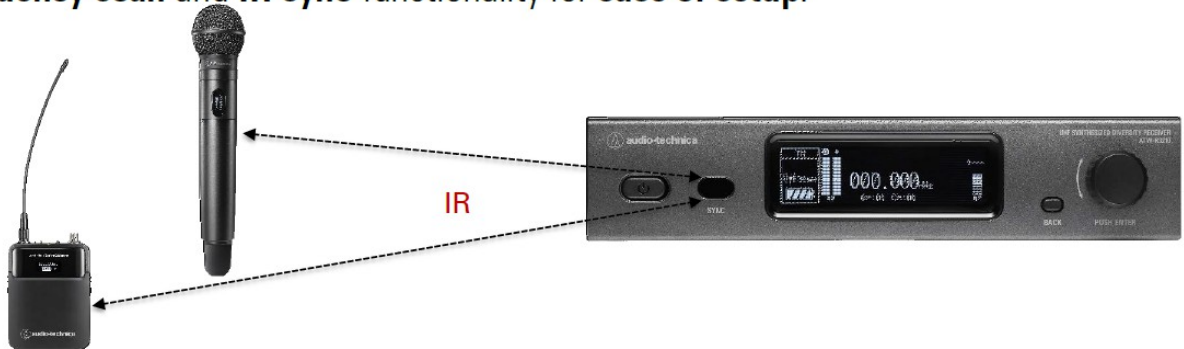
For the advanced user this setting can be overridden with a manual adjustment.

# New 3000 Series

**Frequency scan** and **IR sync** functionality for **ease of setup**.

IR

Use the receiver to scan for a clear frequency, then set up your transmitters **quickly** and **efficiently** with the addition of an IR sync feature.

# New 3000 Series

Handheld transmitter offers extremely **low handling noise** and includes an **industry-standard\* thread** mount for use with six interchangeable A-T microphone capsules, as well as other compatible capsules. *(Line 6, Sony, Shure)

3000 Series comes prepackaged with an ATW-C710 (condenser) or ATW-C510 (dynamic) system.  ATW-C5400, ATW-C3300, ATW-C6100, ATW-C4100 capsules available separately.
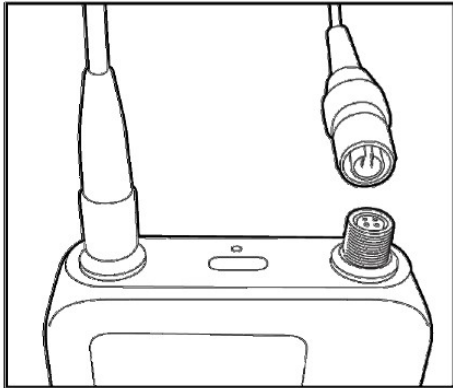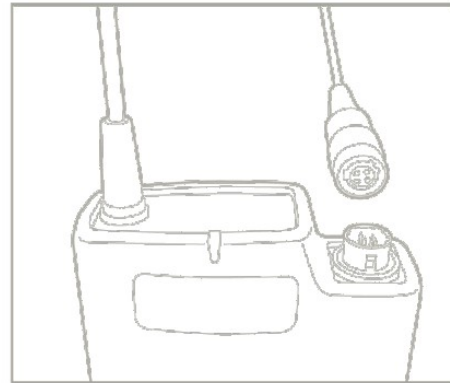
# New 3000 Series

New cH-style **rugged connector** on body-pack transmitter provides **secure connection** to lavalier mics, headworn mics, and cables with cH-style screw-down 4-pin connector.

**New**
**Robust cH-style** screw down connector

**cW-style** connector

# New 3000 Series

Unique **multifunction button** on the handheld and body-pack transmitters can be used to switch to a **backup frequency** (on both transmitter and receiver) should interference be encountered.

Multifunction
Button

ATW-T3201  UHF TRANSMITTER

000.000 MHz

# New 3000 Series

Body-pack transmitter features **tactile mute toggle switch** (defeatable) for **physical confirmation** of mute status when transmitter display is not visible.

A **requested feature** for users wearing bulky garments or for locations where mute status is difficult to read.

Toggle Switch

ATW-T3201 UHF TRANSMITTER

000.000 MHz

# New 3000 Series

**Charging terminals** on transmitters work with optional ATW-CHG3 and ATW-CHG3N smart charging docks to recharge NiMH batteries

ATW-CHG3N network charger allows you to **monitor battery status** of all linked chargers via A-T software or accessed through third party control protocol

# New 3000 Series

Up to 5 chargers can be **daisy chained** in the following configurations:

Non-Network Solution: Link up to **5 ATW-CHG3**

Network Solution **1 ATW-CHG3N** plus up to **4 ATW-CHG3N**

ATW-CHG3N
Network

ATW-CHG3
Non-Network

Up to **5 chargers** can daisy chain and run off one power supply

# New 3000 Series – Other Features

**True Diversity** operation **reduces dropouts**

**Dual-mode receiver display** can switch between **standard view or a performance view** that highlights key metering

Transmitters and receivers include **OLED screens** for **optimal readout** of key settings and alerts, programmable features, soft-touch controls, and **switchable 10/30 mW RF power**

**Antenna power** available for powered antennas and other in-line RF devices

**Ground-lift switch** helps **eliminate audible hum** caused by ground loops

**Balanced and unbalanced** audio output jacks