



AVTronics™

4 Microphone Wireless Systems Sistema de 4 micrófonos inalámbricos

USERS MANUAL

for Professional Series Models:

- › AVT-QUAD1
- › AVT-QUAD2
- › AVT-QUAD2B

(AVT-4BP1 and AVT-4BP2 Beltpack Transmitters)

Please read and keep for future reference.

Distributed by: www.avtronicsworld.com

FCC INFORMATION

AVT-QUAD1R and AVT-QUAD2R Receiver:



THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

TRANSMITTER SPECIFICS

AVT-QUAD1 and AVT-4BP1

Handheld Transmitters:

Channel A (Purple)	696.65 MHz	FCC ID: Y3I-AVTQUADHH8
Channel B (Yellow)	693.65 MHz	FCC ID: Y3I-AVTQUADHH7
Channel C (Pink)	631.75 MHz	FCC ID: Y3I-AVTQUADHH6
Channel D (Gray)	625.15 MHz	FCC ID: Y3I-AVTQUADHH5

Beltpack Transmitters:

Channel A (Purple)	696.65 MHz	FCC ID: Y3I-AVTQUADBP8
Channel B (Yellow)	693.65 MHz	FCC ID: Y3I-AVTQUADBP7
Channel C (Pink)	631.75 MHz	FCC ID: Y3I-AVTQUADBP6
Channel D (Gray)	625.15 MHz	FCC ID: Y3I-AVTQUADBP5

AVT-QUAD2, AVT-QUAD2B and AVT-4BP2

Handheld Transmitters:

Channel A (Red)	697.85 MHz	FCC ID: Y3I-AVTQUADHH4
Channel B (Green)	680.45 MHz	FCC ID: Y3I-AVTQUADHH3
Channel C (Blue)	621.55 MHz	FCC ID: Y3I-AVTQUADHH2
Channel D (Orange)	619.15 MHz	FCC ID: Y3I-AVTQUADHH1

Beltpack Transmitters:

Channel A (Red)	697.85 MHz	FCC ID: Y3I-AVTQUADBP4
Channel B (Green)	680.45 MHz	FCC ID: Y3I-AVTQUADBP3
Channel C (Blue)	621.55 MHz	FCC ID: Y3I-AVTQUADBP2
Channel D (Orange)	619.15 MHz	FCC ID: Y3I-AVTQUADBP1

*** CONSUMER ALERT ***

Most users do not need a license to operate this wireless microphone system. Nevertheless, operating this microphone system without a license is subject to certain restrictions: the system may not cause harmful interference; it must operate at a low power level (not in excess of 50 milliwatts); and it has no protection from interference received from any other device.

Purchasers should also be aware that the FCC is currently evaluating use of wireless microphone systems, and these rules are subject to change. For more information, call the FCC at 1-888-CALL-FCC (TTY: 1-888-TELL-FCC) or visit the FCC's wireless microphone website at www.fcc.gov/cgb/wirelessmicrophones.

NOTE: The manufacturer, distributor, and supplier is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Congratulations on purchasing a fine wireless microphone system from AVTronics.

This product should give you trouble free service throughout it's life. We trust you will enjoy it's performance.

FEATURES AND SPECIFICATIONS LIST

- › Use up to 4 wireless microphones at once (8 with an additional system – to use 2 systems use separate frequency groups such as AVT-QUAD1 and AVT-QUAD2 or AVT-QUAD2B)
- › Far reaching working distance: 200 feet
- › Reliable sturdy construction
- › Operates on 4 single channel fixed frequencies (UHF 600MHz band)
- › Transmitter power: 30mW
- › Carrier wave stability: 10PPM
- › Sensitivity: -105dB @ sinad = 12dB
- › S/N Ratio: >105dB (virtually eliminates distortion)
- › Great frequency response: 50Hz~18KHz
- › Squelch control: dual-squelch circuit eliminates static and stray signals
- › 4 individual volume controls
- › Max. output level: balanced (0 – 400mv), unbalanced (0 – 200mv)
- › Power supply: external DC power supply, 0.8A, 12~18V DC
- › Output connectors: 4 XLR balanced, 1 mixed unbalanced ¼" TRS
- › Requires 2 AA batteries for each transmitter
- › Compact size: 16.5"(L) x 1.8"(H) x 9.8"(D) (approximate dimensions)
- › Lightweight: (approx.) 13.2 lbs for receiver and 4 microphones in carton

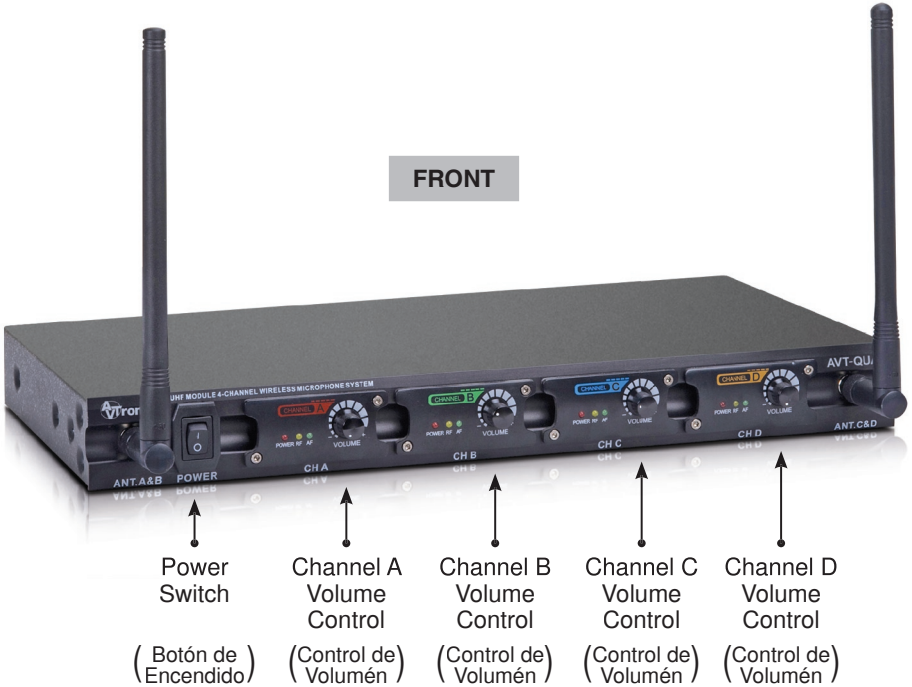
AVAILABLE MODELS

AVT-QUAD1	Comes with 4 handheld microphones, 1 receiver, and power cord. Frequency group 1.
AVT-QUAD2	Comes with 4 handheld microphones, 1 receiver, and power cord. Frequency group 2.
AVT-QUAD2B	Comes with 3 handheld microphones, 1 beltpack and lavalier mic, 1 receiver, and power cord. Frequency group 2.
AVT-4BP1	Comes with 4 beltpacks and lavalier mics. Frequency group 1.
AVT-4BP2	Comes with 4 beltpacks and lavalier mics. Frequency group 2.

Optional Accessories: To add optional accessories such as a pack of 4 beltpacks or a second system go to www.avtronicsworld.com to find a dealer.

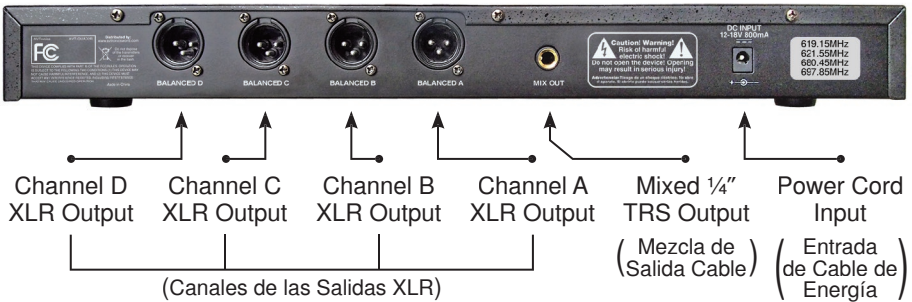
HELPFUL DIAGRAMS

FRONT



BACK

(Actual frequencies will vary by model)



Caution! Warning!
Risk of harmful electric shock!
Do not open the device! Opening may result in serious injury!
Advertencia: Riesgo de un choque eléctrico. No abra el aparato. El abrirlo puede causar serias heridas.

Opening the device may void your warranty.

Do not dispose of this device by putting in the trash.

RECEIVER



BELTPACK



CAUTION!

To lower the risk of potentially harmful electric shocks please do not perform any of the following procedures:

- › Do not disassemble, remove screws, or otherwise in any way open the enclosure.
- › Keep receiver and transmitters away from water including rain and moisture.
- › Make sure there are no breaks in the A/C power cable.
- › Make sure the switch is to the off position when you turn on the unit.
- › Do not use this device in the rain, swimming pools or in moist damp environments.

PRECAUCIÓN

Para disminuir el riesgo potencial de un golpe de corriente peligroso, por favor no lleve a cabo ninguno de los siguientes procedimientos:

- › No desmonte ó remueva tornillos en otras palabras, no abra por ninguna razón.
- › Mantenga el receptor y el transmisor lejos de agua incluyendo lluvia ó humedad.
- › Asegurese que no existen roturas ó averías en el cable de corriente A/C.
- › Asegurese que el interruptor está apagado cuando usted encienda la unidad.
- › No use este artefacto bajo la lluvia, en piscinas ó en ambientes húmedos.

GETTING STARTED

- Step 1** Verify that all equipment including the sound system is turned off.
- Step 2** Attach power supply cord to receiver.
- Step 3** Make sure you have batteries in each transmitter that you plan to use.
- Step 4** Plug power supply cord from receiver into the wall.
- Step 5** Plug receiver into sound system. Do this by either plugging in each channel using the XLR outputs on the back of the receiver (each channel requires one XLR cable) or by connecting one ¼" cable to the sound board.
- Note:** If you want the sound technician to be able to adjust each channel individually on your mixer, such as EQ, volume, and auxiliary send, you must use the XLR outputs, not the ¼" output. Turn the channel volume controls on the receiver all the way up and mix independently on your mixer. If you use the ¼" output you must adjust (mix) your volume levels on the front of your receiver.
- Step 6** Turn on receiver.
- Step 7** Turn on transmitters.
- Step 8** Adjust individual volume controls to desired levels.

TROUBLE SHOOTING

PROBLEM	POSSIBLE SOLUTION
The receiver has no power.	Check to make sure the power cord is plugged in and the switch is put to the "on" position.
Transmitter has no power.	Make sure the switch has been put to the "on" position. If the unit is still not working then check the batteries in the transmitter. Each unit requires 2 AA batteries.
The volume of each microphone is not at the same level coming through the sound board.	Check to make sure the volume knobs on the receiver are all turned to the same position or all the way on.
The sound is coming through on the same channel for all 4 microphones and as a result cannot be adjusted individually.	Use 4 individual XLR cables to plug into the sound board instead of the ¼" cable.
Feedback	The microphone user may be too close to a speaker or stage monitor while the microphone is in use.

CÓMO CONECTAR EL EQUIPO

- Paso 1** Verifique que todo el equipo incluyendo el sistema de sonido este apagado.
- Paso 2** Conecte el cable del suplidor de energía al receptor.
- Paso 3** Asegurese que tiene baterías para cada transmisor que usted se proponga usar.
- Paso 4** Conecte el suplidor de energía del receptor a la pared.
- Paso 5** Conecte el receptor al sistema de sonido. Puede hacer la conexión de dos formas: Puede conectar cada canal utilizando las salidas XLR en la parte de atrás del receptor (cada canal requiere un cable XLR) ó puede conectar un cable de 1/4" al sonido de la consola de sonido.
- Nota:** Si usted quiere que su técnico de sonido pueda ajustar cada canal individualmente en su mezcladora de sonido, como el EQ, volumen ó auxiliares, usted debe usar las salidas XLR, no la salida de 1/4". De otra manera, suba hasta el final los controles de sonido, todo el volumen y mezcle independientemente en su mezcladora. Si usted usa la salida de 1/4", usted debe ajustar en su consola de sonido el volumen en el frente de su receptor.
- Paso 6** Encienda el receptor.
- Paso 7** Encienda los transmisores.
- Paso 8** Ajuste los controles de volumen para los niveles de sonido deseados.

LOCALIZACIÓN Y SOLUCIÓN DE PROBLEMAS

PROBLEMA	POSIBLES SOLUCIONES
El receptor no tiene corriente.	Asegurate que el cable de corriente está conectado y el interruptor está activado.
El transmisor no tiene corriente.	Asegurase que el interruptor este en la posición de activado. Si la unidad sigue sin trabajar entoces coteje las baterías del transmisor. Cada uno requiere 2 baterías doble A.
El volumen de cada micrófono no está en el mismo nivel de sonido que viene de la consola de sonido.	Asegurase de los botones de volumen en el receptor estén todos en la misma posición ó todos subidos hasta el final.
El sonido está llegando a través del mismo canal para los 4 micrófonos y como resultado no pueden ser ajustados individualmente.	Usa 4 cables XLR individuales para conectarlos en consola de sonido en vez de el cable de 1/4".
Interferencia en el sistema.	El que este usando el micrófono puede estar muy cerca de alguna bocina o de los monitores de piso.



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