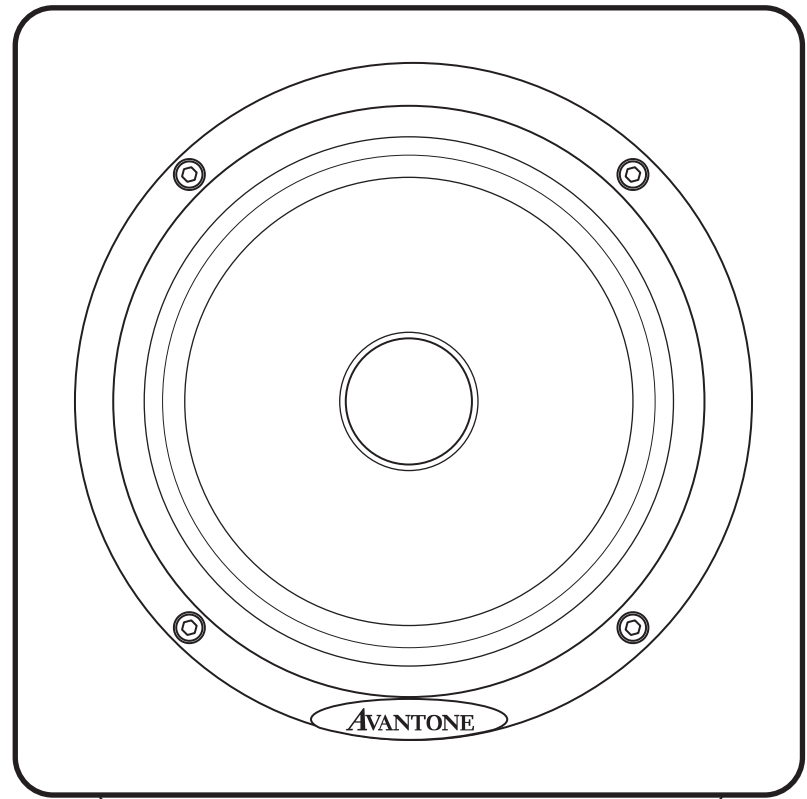


MIXCUBE ACTIVE



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IMPORTANT SAFETY INSTRUCTIONS

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerable in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) have specified the permissible noise level exposures shown in the following chart.

According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here.

Duration, per day in hours	Sound Level dBA, slow response	Typical example
8	90	Duo in small club
6	92	
4	95	Subway train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	That couple screaming at each other
0.5	110	
<0.25	115	Loudest parts at a rock concert



The Avantone Mixcube Active Monitors comply with all applicable / RoHS / WEEE European Union directives.

Do not attempt to service this unit yourself, as it will void your warranty. Please check your unit carefully upon receipt and return to place of purchase immediately if there are any problems with the product. After that, the standard AVANTONE 5 YEAR warranty will apply to defects in materials and workmanship.

U.S.A.

Should your AVANTONE product require service, please contact the AVANTONE PRO Service Department. +1 845 642 3697-or- e-mail info@avantonepro.com. **You must obtain an RA # (Return Authorization number) from us before shipping a unit back to us. This RA # must be clearly written on the outside of the box.**

Please safely pack the units...It is best to use the original packing materials. AVANTONE PRO cannot be responsible for any damages incurred in shipping to us due to poor packaging. PLEASE PACK CAREFULLY and FULLY INSURE THE SHIPMENT.

INTERNATIONAL

For service or warranty assistance, please contact the AVANTONE PRO distributor in your country through the dealer from whom you purchased this product.

LIMITED 5 YEAR WARRANTY

AVANTONE Mixcube Actives are warranted by Avantone Pro to be free from defects in materials and workmanship for the period of 5 YEARS to the original purchaser. In the event of such defects, the Avantone Pro product will be repaired without charge or, at our option, replaced with a new one if delivered to Avantone Pro prepaid, together with a copy of the sales slip or other proof of purchase date. The warranty excludes problems due to normal wear, abuse, shipping damage or failure to use the product in accordance with the specifications.

All speaker systems are vulnerable to damage from sustained amplifier clipping. This can be described as a distortion of the signal caused by the amplifier running out of headroom. Heat will then be generated in the voice coil of the driver beyond the heat handling capabilities of wire and glue. At some point the voice coil will burn, causing the speaker to sound very distorted; eventually the driver will stop working.

All parts and labor are covered under this Limited Warranty. However, if it is determined by AVANTONE PRO that the voice coil was burned due to sustained amplifier clipping, we reserve the right to charge the customer for the cost of the repair, since this is considered abuse.

Avantone Pro shall not be liable for damages based upon inconvenience, loss of use of the product, loss of time, interrupted operation or commercial loss or any other damages, whether incidental, consequential, or otherwise. This warranty gives you specific legal rights, and you may have other rights, which will vary from state to state.

This warranty is not transferable.



INTRODUCTION

Thanks for choosing Avantone MixCube Actives!

Mixcubes are designed to be a perfect stereo matching pair of monitors to replicate the wide range of "bass-challenged" devices such as car stereos, TVs, clock radios, computers, Bluetooth devices, etc.

Avantone Mixcube Actives are a huge upgrade from the original 5C Sound Cubes; from a newly engineered cabinet, to a more smooth, open, and transparent driver — and now with an over-engineered power amplifier. The bass response has been extended ever so slightly as well, but the original character has been maintained.

REAR PANEL CONNECTIONS

- Balanced Input:** This "combo XLR" input accepts a BALANCED male XLR plug as well as a 3-conductor BALANCED TRS 1/4" or a 2 conductor UNBALANCED TS 1/4" male plug. For unbalanced operation with a TS connector the minus signal is automatically grounded.
- Ground Lift:** By engaging this switch the pin 1 shield is lifted at the input jack. This can be used to aid in ground loop control of the incoming analog line signal.
- System Gain:** This variable control adjusts the sensitivity of the signal that appears at the input. Rotating the control clockwise increases the sensitivity while a counter-clockwise rotation decreases sensitivity. The adjustable gain range is from -30 to +6 dB. A setting of +6 allows a full, unimpeded signal to be sent to the amplifier. The detented gain positions allow for repeatable settings between speakers for proper matching.

NOTE: When the signal appearing at the input is too hot, the amplifier can overload causing distortion and possible damage to the speaker. If overload occurs, decrease the input level by turning the knob counter-clockwise a few clicks.

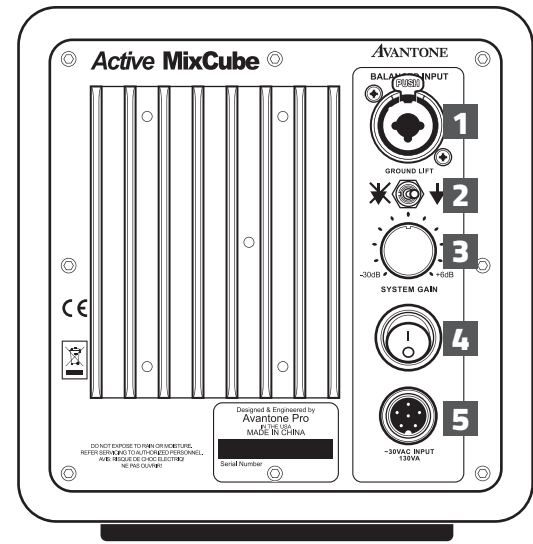
- Power Switch:** This switch engages power for the unit.

- AC Input:** This input is only to be used with the proprietary Avantone Power Supply. Tighten the cable/connector securely for reliable operation.

Note: There is a switch on the power supply for selecting the proper AC/MAINS operating voltage for your location.

SPECIFICATIONS

- | | | | |
|----------------------------------|---|-----------------------|--|
| > System Type | Active (Self-powered) shielded full-range stereo pair | > Noise: | S/N -113 dB |
| > Frequency Response: | 90Hz - 17,000Hz (useful musical range) | > Sensitivity: | 0 dBu (.775VRMS) input at maximum volume (+6dB) = 104 dB SPL |
| > Impedance: | Nominal 8 ohms | > Driver: | Proprietary design 5.25" cast aluminum frame / paper cone / shielded |
| > Max SPL: | 104 dB @ 1 meter = 1%THD (PINK NOISE) | > Cabinet: | sealed / 18 mm MDF / Dacron acoustical stuffing |
| > Amplifier Type: | Class A/B | > Inputs: | XLR & TRS (COMBO JACK) +4/Balanced and -10 unbalanced |
| > Amplifier Power | 60 watts RMS@ .005% THD (1KHz) | > Weight: | 7.13 lbs (per monitor) |
| > Amp Frequency Response: | 22Hz-50KHz +0dB/- 3dB (90Hz-50KHz +/-0dB) | > Dimensions: | 6.5" x 6.5" x 6.5" |



QUICK START GUIDE

- > Connect the outputs of your source to the inputs of the Mixcube Actives.
- > Turn Gain down all the way.
- > While playing audio from the source, adjust the Gain on each Mixcube Active accordingly.

NOTE: Using a decibel meter (or an app on your mobile device) can help with calibration between each Mixcube Active, or multiple sets of monitors!

"BREAKING IN" YOUR MIXCUBES

Any new full-range speaker exhibits a certain amount of "tightness" when first played. Normally, standard usage of the speakers over a short period of time is all that is required before you recognize the tonal changes taking place with the driver "flexing" from some hours of use. However, if you need to "get to work" immediately; then try this: Play any commercial music with good low-frequency content through your Mixcubes on a loop for 24-72 hours at a medium volume level. This procedure serves to "normalize" the driver surrounds by flexing them. Users have reported that this sped up the break-in process and the MixCubes seemed to "open-up" a bit more than when first powered up. Though many manufacturers claim their speakers need up to 200 hours to break-in, we've found that 24-72 hours works great for Mixcubes.