# Angry Audio

# CATALOGUE



angryaudio.com

# Contents.
## It's what's on the inside
## that counts.

## CATALOG CONTENTS

| **Pristine Sound** | **Built for Broadcast** | **Problem Solvers** | **Our Guarantee** |
|---|---|---|---|
| Pure transparent recording-studio grade audio. Gadgets sound amazing. | Over-engineered for rock-solid reliability and guaranteed RFI immunity. | Innovative solutions for problems you might not have known were fixable. | Buy any gadget and use it for 30 days. If you don't love it, we'll buy it back. |

**Problems disappear when you get angry.**

Meet the audio gadgets and gizmos. A range of products designed to address some of the more pernicious problems encountered in broadcast audio. Every gadget is meticulously engineered to deliver pristine-perfect audio for years. Every component is carefully selected for performance and longevity. And every feature has been thoughtfully considered to give you exactly the right tools for the job at hand.  You'll find our gadgets and gizmos invaluable in a variety of pro applications such as broadcasting and recording, live and worship.

# Balancing Gadgets

Professional applications use balanced audio for good reason. Balanced circuits offer many performance advantages compared to unbalanced audio, such as increased headroom and reduced noise from radiation and ground differentials. Sometimes, though, unbalanced devices are unavoidable. The Balancing Gadgets were made for those times.



All three Balancing Gadgets feature an internal low-noise linear power supply, direct coupled transformerless analog circuitry and our exclusive input design that suppresses common mode noise. The result is the most sonically-transparent devices available. Never any buzz, hum, hiss or RFI.
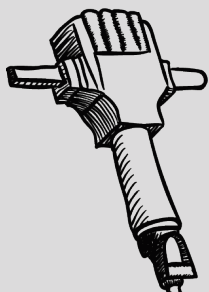
### Stereo Balancing Gadget

Converts unbalanced stereo -10dBV audio via two RCA/Phono jacks into professional +4dBu fully balanced lines on two XLR connectors. Ideal for a single playback-only consumer device. State-of-the-art analog circuitry is low-distortion, low-noise, and includes DC offset correction and our exclusive input stage that reduces ground-loop noise.

### Dual Stereo Balancing Gadget

We stuffed two Stereo Balancing Gadgets into a single box. Two playback-only consumer devices feed four RCA/Phono jacks at -10dBV. 4 XLR connectors deliver +4dBu balanced audio to your professional equipment. Output amplifiers capable of driving +26dBu into long cables, even low-impedance 600Ω loads (+24dBm).

### Bidirectional Balancing Gadget

Converts one stereo pair from unbalanced to balanced and another stereo pair from balanced to unbalanced. Perfect for a recording device or a computer sound-card. All unbalanced and balanced signals are on RCA/Phono jacks and XLR connectors, respectively. Plenty of gain in the unlocked position means even low-level computer sound-cards are no problem.

### Groundbreaking Technology

Our exclusive active input circuitry dramatically suppresses common-mode noise on unbalanced sources. Not only will the balancing gadgets eliminate the hum and buzz of a ground loop, it will also reduce noise from external sources such as power lines and digital noisemakers.

You can even run long unbalanced cables between gear. The balancing gadgets make it possible to use unbalanced equipment in professional applications without compromising performance.

## Mounting Options

**Rack Mount Kit**
Pro mount one or two gadgets in only 1RU.

**Wall Mount Kit**
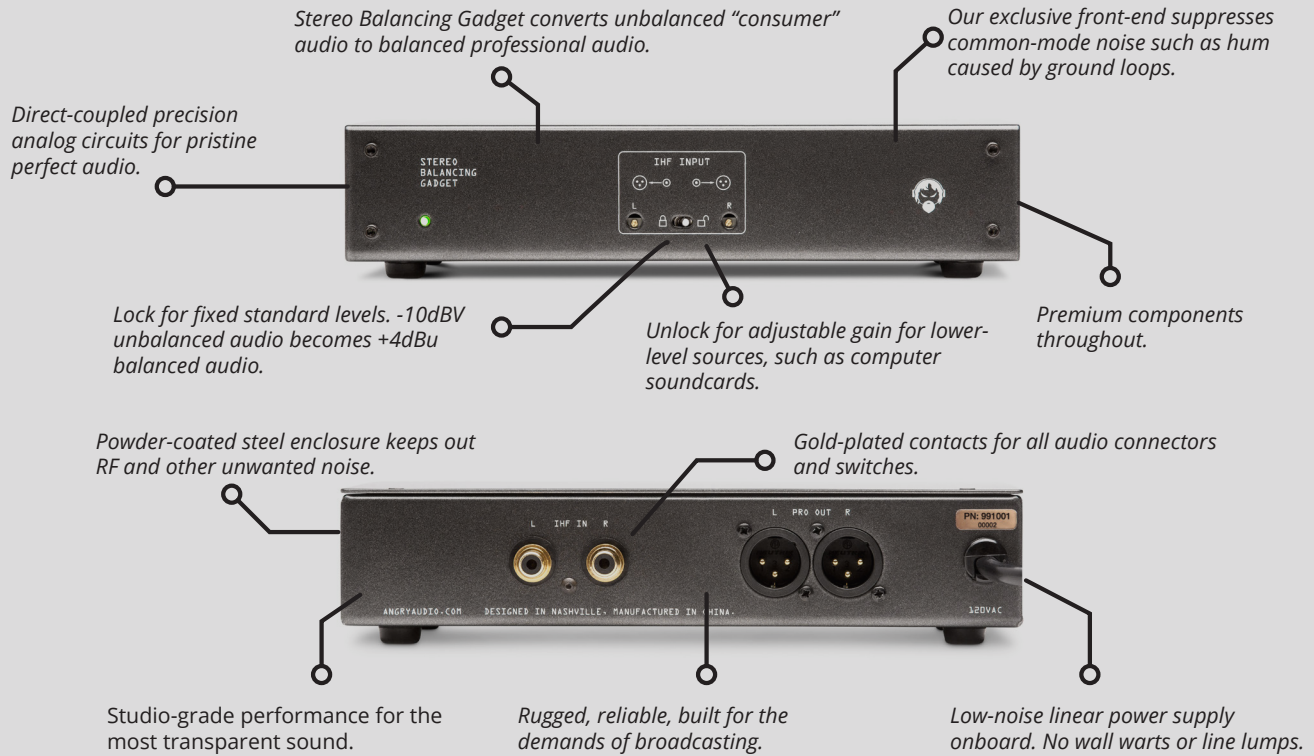Attach your gadget to a wall or inside of a cabinet.

**Desktop Mount Kit**
Brackets tilt the gadget toward the user's eyes.

**Under Cabinet Mount Kit**
Conveniently located under the edge of your desk.

# Stereo Balancing Gadget

Converts unbalanced stereo -10dBV audio via two RCA/Phono jacks into professional +4dBu fully balanced lines on two XLR connectors. Ideal for a single playback-only consumer device. State-of-the-art analog circuitry is low-distortion, low-noise, and includes DC offset correction and our exclusive input stage that reduces ground-loop noise.
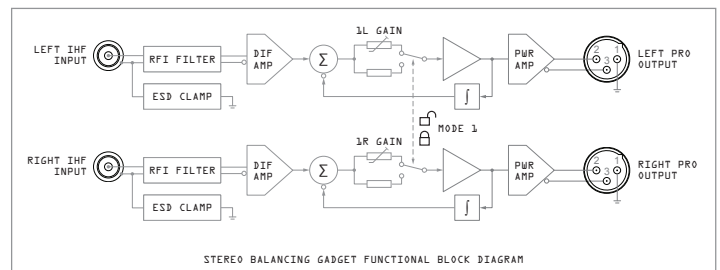
*Stereo Balancing Gadget converts unbalanced "consumer" audio to balanced professional audio.*

*Our exclusive front-end suppresses common-mode noise such as hum caused by ground loops.*

*Direct-coupled precision analog circuits for pristine perfect audio.*

*Lock for fixed standard levels. -10dBV unbalanced audio becomes +4dBu balanced audio.*

*Unlock for adjustable gain for lower-level sources, such as computer soundcards.*

*Premium components throughout.*

*Powder-coated steel enclosure keeps out RF and other unwanted noise.*

*Gold-plated contacts for all audio connectors and switches.*

*Studio-grade performance for the most transparent sound.*

*Rugged, reliable, built for the demands of broadcasting.*

*Low-noise linear power supply onboard. No wall warts or line lumps.*

## Specifications:

### Unbalanced to Balanced Conversion

| | |
|---|---|
| Fixed Gain | +11.8dB (-10dBV in = +4dBu out) |
| Adjustable Gain Range | +10dB to +28dB |
| Frequency Response | ±0.2dB, 20 Hz - 20kHz |
| THD+N | ≤0.004%, 20 Hz - 20kHz |
| Noise | ≤90dBu, 20Hz - 20kHz (locked) |
| Headroom | ≥20dB |
| Maximum Output Level | +26dBu (+24dBm @ 600Ω load) |
| Input Impedance | 100kΩ |
| Output Impedance | 100Ω balanced |
| Crosstalk | ≤-75dB (10kHz) |
| CMRR | ≥70dB (20Hz to 20 kHz) |

### Power and Environmental

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 3VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

Part number:   991001 - North American Version
991001E - European Version

# Dual Stereo Balancing Gadget

We stuffed two Stereo Balancing Gadgets into a single box. Two playback-only consumer devices feed four RCA/Phono jacks at -10dBV. 4 XLR connectors deliver +4dBu balanced audio to your professional equipment. Output amplifiers capable of driving +26dBu into long cables, even low-impedence 600Ω loads (+24dBm).

*Dual Stereo Balancing Gadget converts the unbalanced audio of two "consumer" devices into professional balanced audio.*

*Our unique circuitry delivers ground-loop isolation comparable to transformers.*

*No capacitors or transformers in the signal chain for the purest possible sound.*

*Stunning specs including THD below 0.004%.*

*Switch between fixed and variable gain settings.*

*Plenty of gain for even low-level devices such as computer soundcards.*

*All steel construction built for the rigors of broadcasting.*

*Fully balanced outputs capable of driving long cables at levels up to +26dBu.*

*Built-in power supply with 2 meter cord.*

*RFI-immune circuitry.*

*Gadgets use only the highest quality components.*

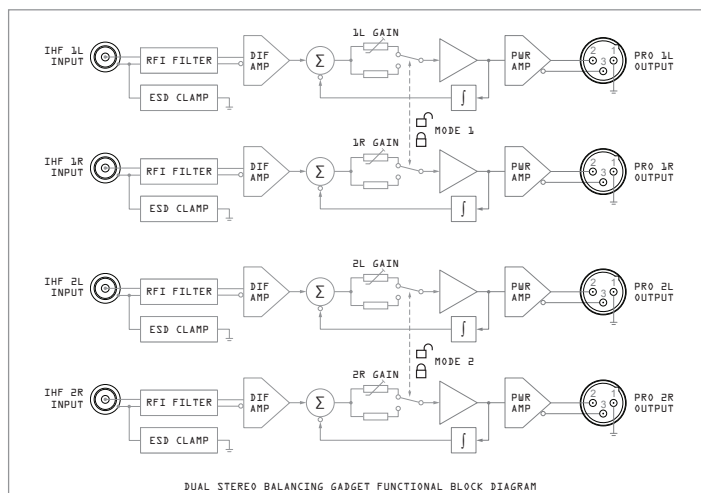*DC error correction servo eliminates any offsets.*

## Specifications:

**Unbalanced to Balanced Conversion**

| | |
|---|---|
| Fixed Gain | +11.8dB (-10dBV in = +4dBu out) |
| Adjustable Gain Range | +10dB to +28dB |
| Frequency Response | ±0.2dB, 20 Hz - 20kHz |
| THD+N | ≤0.004%, 20 Hz - 20kHz |
| Noise | ≤90dBu, 20Hz - 20kHz (locked) |
| Headroom | ≥20dB |
| Maximum Output Level | +26dBu (+24dBm @ 600Ω load) |
| Input Impedance | 100kΩ |
| Output Impedance | 100Ω balanced |
| Crosstalk | ≤-75dB (10kHz) |
| CMRR | ≥70dB (20Hz to 20 kHz) |

**Power and Environmental**

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 4VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

DUAL STEREO BALANCING GADGET FUNCTIONAL BLOCK DIAGRAM

Part number:  991002 - North American Version
991002E - European Version

# Bidirectional Balancing Gadget

Converts one stereo pair from unbalanced to balanced and another stereo pair from balanced to unbalanced. Perfect for a recording device or a computer sound-card. All unbalanced and balanced signals are on RCA/Phono jacks and XLR connectors, respectively. Plenty of gain in the unlocked position means even low-level computer sound-cards are no problem.

*The Bidirectional Balancing Gadget converts stereo unbalanced "consumer" audio to professional balanced audio. It also converts stereo pro-audio to "consumer" unbalanced audio.*

*Innovative input circuitry extracts clean audio while eliminating noise from ground loops and external sources.*

*Direct-coupled circuitry delivers the cleanest, most transparent sound.*

*Lock for fixed gain +4dBu balanced audio is converted to -10dBV outputs.*

*When unlocked, gain can be adjusted via the sealed multiturn trimpots.*

*In the locked position, -10dBV source produces +4dBu outputs.*

*Rugged powder-coated steel chassis.*

*All gadgets are guaranteed to reject RF interference.*

*DC "servo" error correction keeps offset out while preserving the purity of DC coupled circuitry.*

*Every component is carefully selected for performance and long life.*

*Ultra high CMRR inputs keep even digital noise out of your audio.*
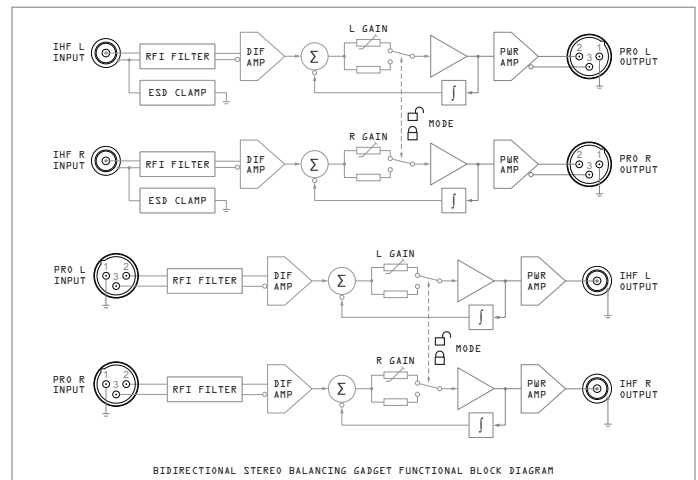
*Internal power supply. Available in 120V and 240V versions.*

## Specifications:

### Balanced to Unbalanced Conversion

| | |
|---|---|
| Fixed Gain | -11.8dB (+4dBu in = -10 dBV out) |
| Adjustable Gain Range | -17dB to +1dB |
| Frequency Response | ±0.2dB, 20 Hz - 20kHz |
| THD+N | ≤0.004%, 20 Hz - 20kHz |
| Noise | ≤90dBu, 20Hz - 20kHz (locked) |
| Headroom | ≥20dB |
| Maximum Output Level | +16dBV |
| Input Impedance | 20kΩ |
| Output Impedance | 100Ω (pseudo-balanced) |
| Crosstalk | ≤-75dB (10kHz) |
| CMRR | ≥70dB (20Hz to 20 kHz) |

### Power and Environmental

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 4VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

BIDIRECTIONAL STEREO BALANCING GADGET FUNCTIONAL BLOCK DIAGRAM

Part number:     991003 - North American Version
991003E - European Version

# Talkshow Gadget

If you've shopped for a small live audio mixer lately, you know there are some great choices out there. Some of these boards are so good, you might be tempted to use one to produce radio content.  Unfortunately, several essential radio features are missing from these products, and up to now, getting these features meant buying a mixer designed especially for radio.  Enter the Talkshow Gadget.

The Talkshow Gadget adds useful broadcast features to your live mixer.  LED illuminated buttons give you instant activation and deactivation of four microphones, allowing you to get the mix right, then leave the faders in place. You also now have speaker volume control and a second input for listening to an external source. Your monitor speakers will mute automatically to prevent feedback when any mic is hot. And speaking of hot mics, the Talkshow Gadget even provides logic to illuminate an ON AIR signs or mic arm tallies to let everyone know you're on the air.

Now, with one of those cool little live mixers and your Talkshow Gadget, you're ready to host your own radio show!  At a fraction of the price of a purpose-built radio mixer.  You're welcome.

Timing may not be everything, but it can be pretty important in the studio. The Talkshow Gadget mutes the monitors 50ms before opening any mics. This imperceptible delay gives room reverb a chance to decay so it doesn't end up as a noise burst on the air. And we insert another 50ms delay when unmuting the monitors after all the mics are turned off, just to make sure the relays have time to mute any possible noise - just one example of the many thoughtful details that go into every Gadget.
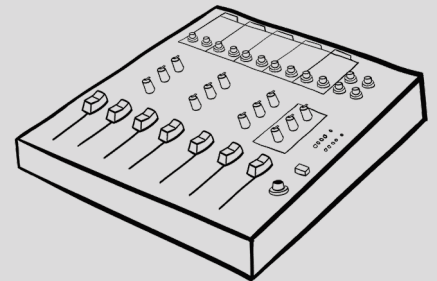
**Mounting Options**

**Rack Mount Kit**
Pro mount one or two
gadgets in only 1RU.

**Desktop Mount Kit**
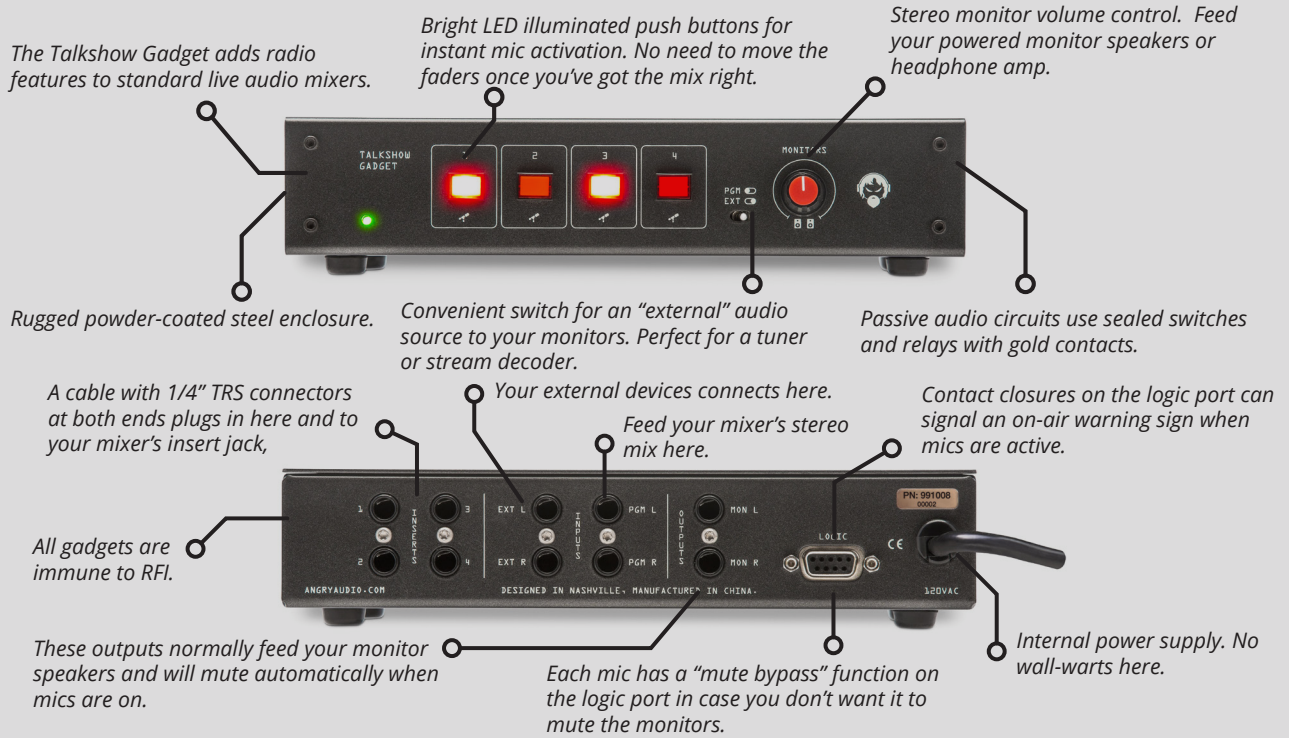Brackets tilt the gadget
toward the user's eyes.

**Under Cabinet Mount Kit**
Conveniently located under
the edge of your desk.

# Talkshow Gadget

Connections are simple. There is a defacto standard most live mixers use for microphone inserts. We use the same standard. A cable with a 1/4 inch TRS connector at both ends is all you need to connect each microphone insert to the Talkshow Gadget. The same type of cable can use usually be used to make the other gadget connections also. The Talkshow Gadget can accept balanced or unbalanced audio sources.

The audio signal path is completely passive, with sealed switches and gold-contact relays. The pushbuttons have long-life LED illumination. On the logic connector, dry relay contacts are provided which activate when the monitors mute to drive an ON AIR sign or lamp to alert others that microphones are live. A mute override logic signal is provided for each microphone if you do not wish to mute the monitors.

The Talkshow Gadget adds radio features to standard live audio mixers.

Bright LED illuminated push buttons for instant mic activation. No need to move the faders once you've got the mix right.

Stereo monitor volume control. Feed your powered monitor speakers or headphone amp.

Rugged powder-coated steel enclosure.

Convenient switch for an "external" audio source to your monitors. Perfect for a tuner or stream decoder.

Passive audio circuits use sealed switches and relays with gold contacts.

A cable with 1/4" TRS connectors at both ends plugs in here and to your mixer's insert jack,

Your external devices connects here.

Feed your mixer's stereo mix here.

Contact closures on the logic port can signal an on-air warning sign when mics are active.

All gadgets are immune to RFI.

These outputs normally feed your monitor speakers and will mute automatically when mics are on.

Each mic has a "mute bypass" function on the logic port in case you don't want it to mute the monitors.

Internal power supply. No wall-warts here.

## Power and Environmental

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 3VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |

## Product Weight & Dimensions

| | |
|---|---|
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

## Specifications:

| | |
|---|---|
| Part number: | 991008 - North American Version |
| | 991008E - European Version |
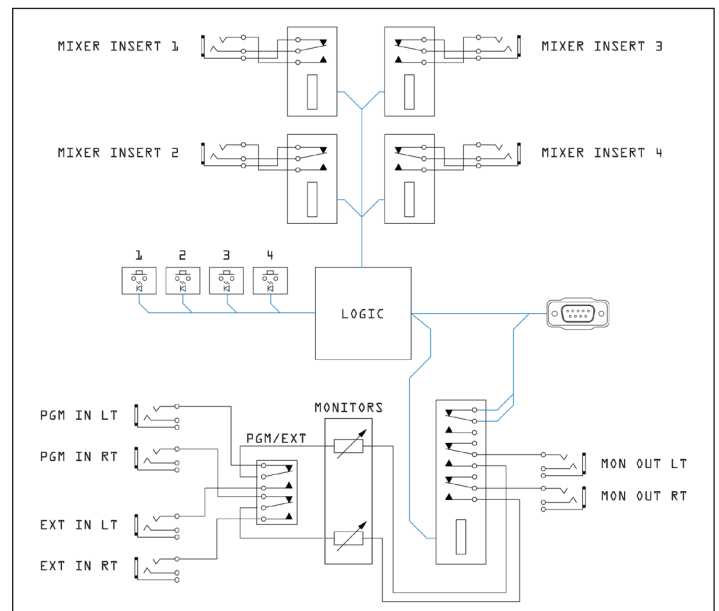
# Failsafe Gadget

Dead air is every broadcaster's worst nightmare. Equipment fails, lightning strikes, humans make mistakes. And for some reason, dead air often favors the dead of night. Unless you really enjoy those unplanned trips to kick Murphy out of the studio, you might consider a less sleep-depriving way to deal with off-air emergencies. We'd like to introduce you to the Failsafe Gadget.



The Failsafe Gadget is a simple stereo A/B switch. Normally, the Main (A) source is fed to the output. A sophisticated sensor monitors the Main source constantly. If silence is detected, the Backup (B) source is switched to the output. The user can select whether the unit will switch back to Main if the audio returns, or whether it should remain on Backup until manually switched.

Connect your studio to the Main input and send the output to your transmission system. Backup audio source might be a second computer, a looping CD player, even an iPod shuffling a playlist. In addition to audio switching, a logic output from the Failsafe Gadget can activate a device or alarm if silence is detected. Logic inputs are provided to remote the switching.



You can use the Failsafe Gadget in reverse too. Perhaps you have a source that you wish to put automatically on the air whenever it appears. Easy. Just feed your regular programming into the B input and this source into the A input. Place the recovery switch in the A<>B position and now whenever there is audio on your source, it will override your regular programming. Set the timer for a short delay and when the source goes silent again, your programming will resume.

A recessed rotary switch allows you to set the threshold of the silence sensor. Another rotary switch gives you control over the duration of the silence before the sensor takes action. Dynamic programming with a relaxed pave may want lower thresholds and longer delays, while compressed and tight programming may tolerate higher thresholds and shorter delays. The idea is to set the threshold and delay so that normal gaps and quiet passages will not trigger the sensor.

**Mounting Options**



**Rack Mount Kit**
Pro mount one or two
gadgets in only 1RU.



**Desktop Mount Kit**
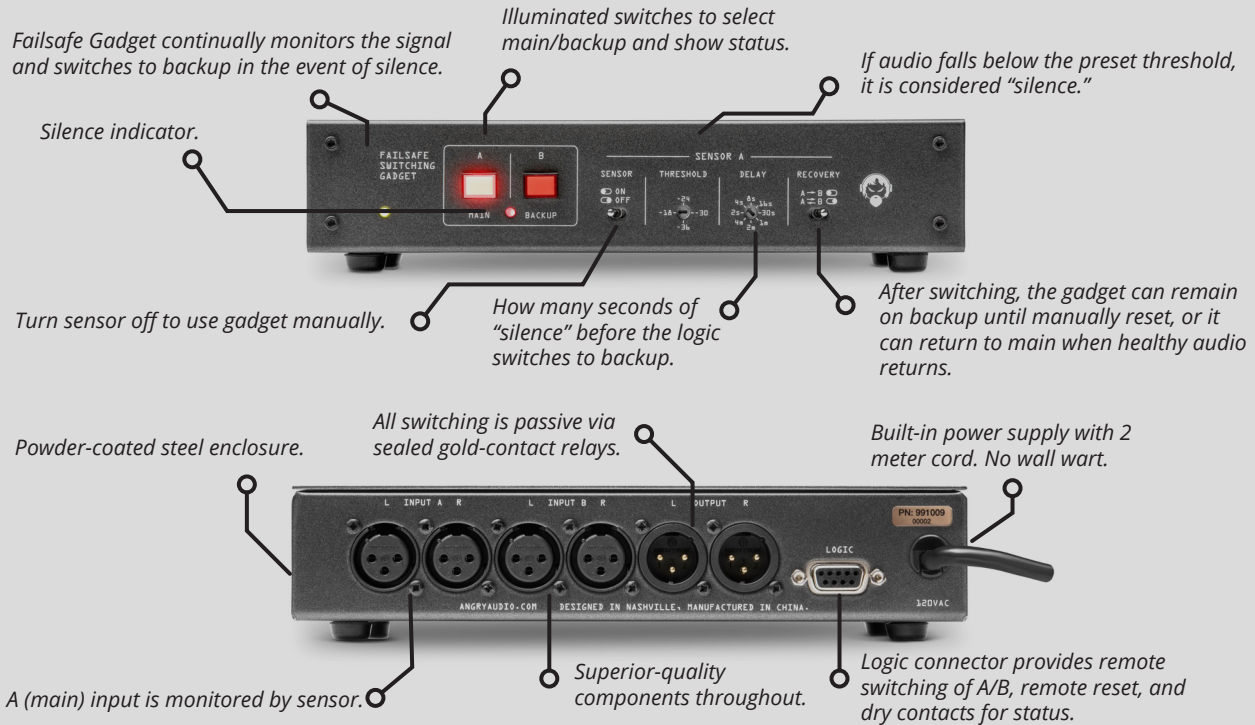Brackets tilt the gadget
toward the user's eyes.



**Under Cabinet Mount Kit**
Conveniently located under
the edge of your desk.

8

# Failsafe Gadget

A bicolor LED gives clear status of the audio. Green is normal, above the threshold. Some red flashing is normal during quiet passages and transitions, but if it stays red for awhile, a silence event is underway. A front-panel sensor bypass switch lets you put the Failsafe Gadget in manual mode; useful for formats that only need backup during automated segments.

The Failsafe Gadget's audio switching path is completely passive, using sealed relays with gold contacts. The enclosure is powder-coated steel. The power supply is internal (no wall wart). All components are premium, selected for performance and longevity. And like every other Angry Audio product, the Failsafe Gadget is completely immune to RF interference.

*Failsafe Gadget continually monitors the signal and switches to backup in the event of silence.*

*Illuminated switches to select main/backup and show status.*

*If audio falls below the preset threshold, it is considered "silence."*

*Silence indicator.*

*Turn sensor off to use gadget manually.*

*How many seconds of "silence" before the logic switches to backup.*

*After switching, the gadget can remain on backup until manually reset, or it can return to main when healthy audio returns.*

*Powder-coated steel enclosure.*

*All switching is passive via sealed gold-contact relays.*

*Built-in power supply with 2 meter cord. No wall wart.*

*A (main) input is monitored by sensor.*

*Superior-quality components throughout.*

*Logic connector provides remote switching of A/B, remote reset, and dry contacts for status.*

## Power and Environmental

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 3VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |

## Product Weight & Dimensions

| | |
|---|---|
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

## Specifications:

| | |
|---|---|
| Part number: | 991009 - North American Version |
| | 991009E - European Version |

FAILSAFE GADGET FUNCTIONAL BLOCK DIAGRAM
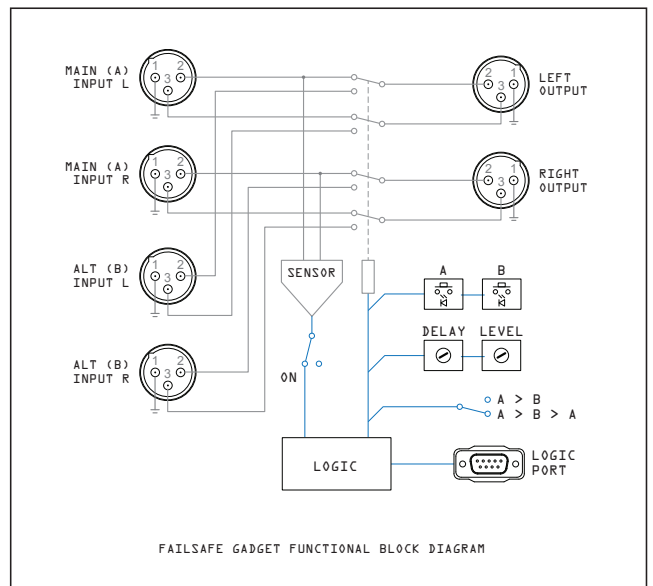
# Distribution Gadget

Need to feed a stack of stuff from a single source? You could try the daisy-chain, but you may end up with a ground loop, signal degradation or worse. What you really need to get a signal to multiple destinations is a broadcast-grade distribution amplifier. We poured some fresh ideas into the DA and called it, of course, the Distribution Gadget.



The Distribution Gadget allows a single source to drive multiple destinations. This is especially useful in broadcasting for connecting the studio output to an air chain, internet encoder, recording device, etc. The Distribution Gadget eliminates the ground loops and signal loss that often occur when directly attaching multiple loads to a source.

With four inputs (one pair for consumer -10dBV unbalanced sources and the other for +4dBu professional sources), the Distribution Gadget is ready for anything. Naturally, the unbalanced inputs feature the same exclusive ground (loop) breaking circuitry found on our Balancing Gadgets. You can even switch between consumer and pro sources on the fly with the front panel switch.

There are eight separate balanced line output amplifiers. Every output is fully isolated from the others, so if one destination has a problem — for example, a half-plugged connector shorting an output to ground — the other destinations are blissfully unaware and receive a perfectly clean copy of the source audio.

Connectors can be controversial. Some like XLR, some like terminal blocks. We like the AES59 format, because it lets you choose whatever connector style you like. The Distribution Gadget's DB-25 connector uses the hugely popular AES59 standard pinout, so you can use cables which fan out to XLR, or 1/4" TRS, or even phono plugs. There are adapter cards with terminal blocks, too. Even some patch bays and breakout panels use this format. So stop stripping wires and put those eight outputs right to work!
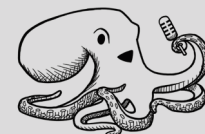


**Mounting Options**



**Rack Mount Kit**
Pro mount one or two
gadgets in only 1RU.

**Wall Mount Kit**
Attach your gadget to a wall
or inside of a cabinet.

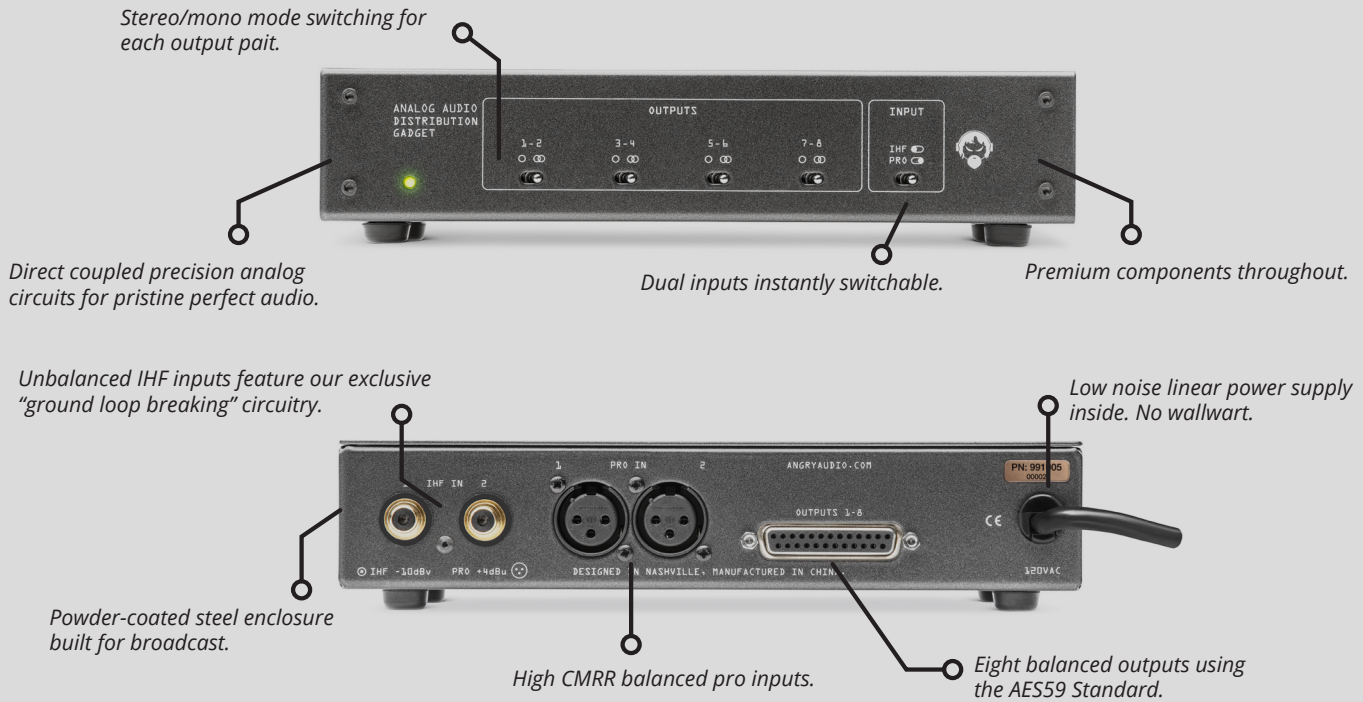**Desktop Mount Kit**
Brackets tilt the gadget
toward the user's eyes.

**Under Cabinet Mount Kit**
Conveniently located under
the edge of your desk.

# Distribution Gadget

With its direct-coupled, low-distortion, low-noise circuitry, the Distribution Gadget is sonically transparent. Tons of headroom too. Every output is capable of +24dBm. And our internal bi-polar linear power supply (no wall warts here) produces all the juice needed to deliver that pristine, perfect audio 24/7 for years. Recording-grade sonics, broadcast-grade durability.

*Stereo/mono mode switching for each output pait.*

*Direct coupled precision analog circuits for pristine perfect audio.*

*Dual inputs instantly switchable.*

*Premium components throughout.*

*Unbalanced IHF inputs feature our exclusive "ground loop breaking" circuitry.*

*Low noise linear power supply inside. No wallwart.*

*Powder-coated steel enclosure built for broadcast.*

*High CMRR balanced pro inputs.*

*Eight balanced outputs using the AES59 Standard.*

## Specifications:

### Audio Performance

| | |
|---|---|
| Nominal Output Level | +4dBu (balanced) |
| Normal Output Level | -10dBV v(unbalanced) |
| Frequency Response | ±0.2dB, 20 Hz - 20kHz |
| THD+N | ≤0.004%, 20 Hz - 20kHz |
| Noise | ≤90dBu, 20Hz - 20kHz (locked) |
| Headroom | ≥20dBu |
| Maximum Output Level | +26dBu (+24dBm @ 600Ω load) |
| Input Impedance | 20kΩ (pro inputs) |
| Output Impedance | 100Ω balanced |
| Crosstalk | ≤-75dB (10kHz) |
| CMRR | ≥70dB (20Hz to 20 kHz) |

### Power and Environmental

| | |
|---|---|
| North American Version | 115VAC 60 Hz, NEMA 5-15P power plug |
| European Version | 230VAC 50HZ, CEE 7/7 power plug |
| Power Consumption | 8VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Cooling | Venting Chassis (fanless) |
| Width x depth x height | 8.5 x 6.25 x 1.70 in., 21.6 x 16 x 4.32 cm. |
| Weight | 3.5 pounds, 1.6 kilograms |

DISTRIBUTION GADGET FUNCTIONAL BLOCK DIAGRAM
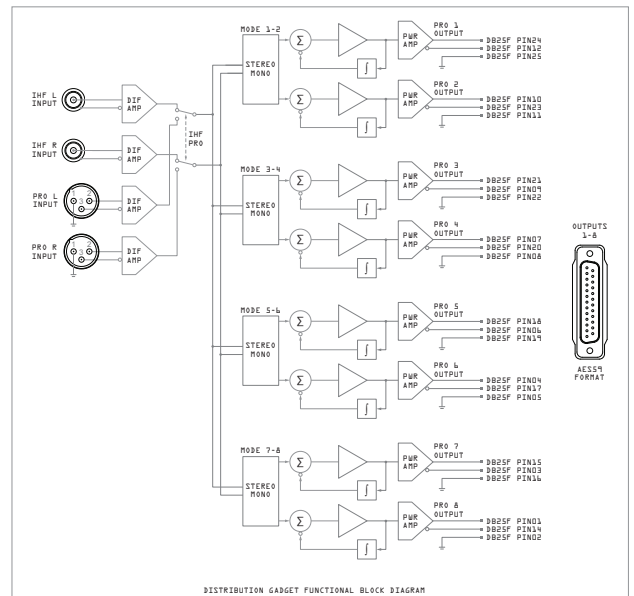
| Part number: | 991005 - North American Version |
|---|---|
| | 991005E - European Version |

# Guest Gizmo

Studio guests are only human. And humans cough. They cough and clear their throats and sniff and snort. Not the most pleasant experience for your listeners. If you tell your guests to turn their heads and cough, they might misunderstand. Besides, it really doesn't help that much.

Cure this with the Guest Gizmo. It has a cough drop (ahem) button built right in. Your guest feels the need to make disgusting noises and pushes the button until the urge has passed. You'll want one at every guest microphone position. The cough button is a necessary tool.

Speaking of necessities, every guest needs headphones. Which is why the Guest Gizmo provides a stereo  headphone amplifier with volume control. Your guest can adjust headphone levels to personal taste (that human thing again). And the Guest Gizmo amp has the power to drive just about anything, even those big cans so beloved in radio.
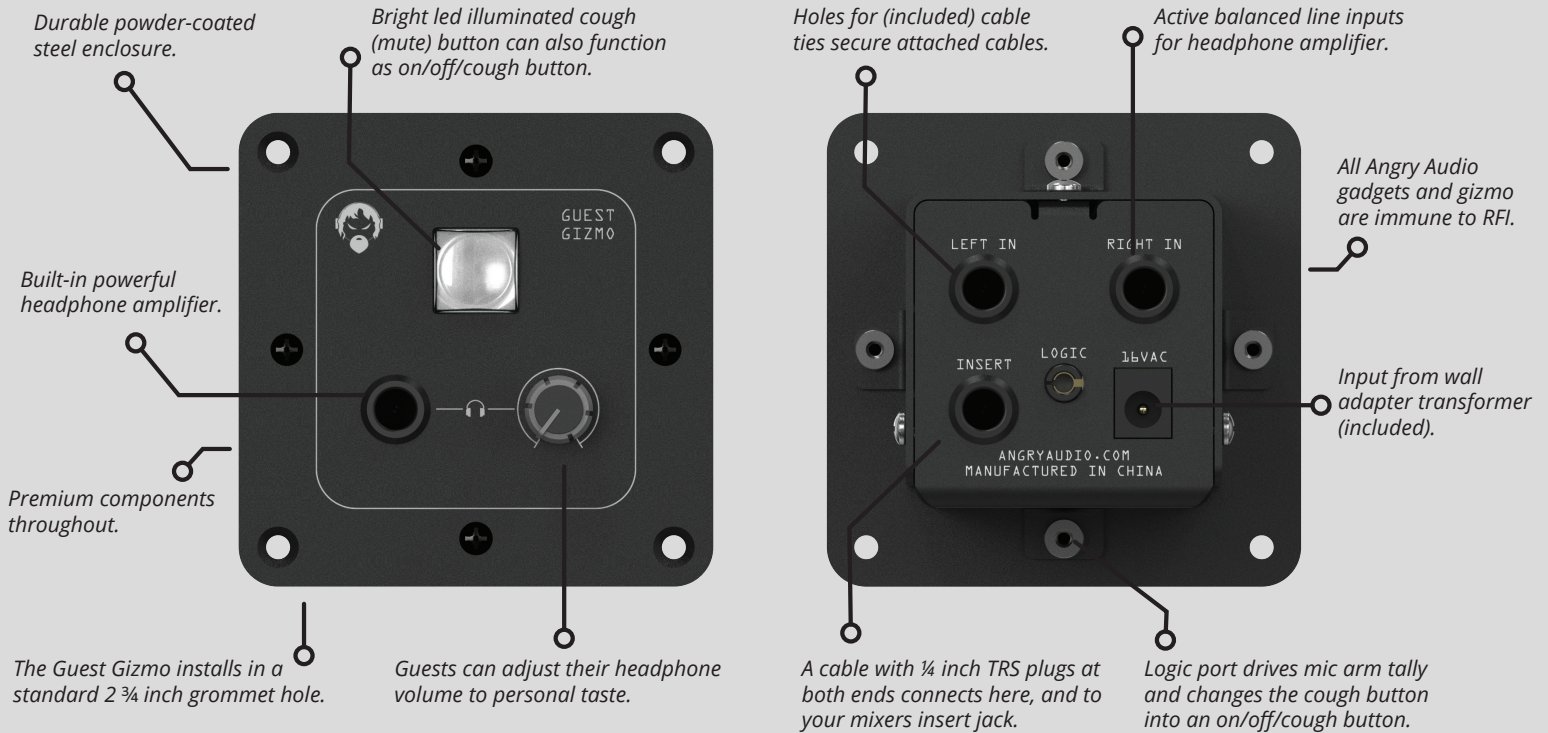
You know those cool new mic arms with the built-in LED tallies? They're all the rage. Problem is lighting them up. Guest Gizmo to the rescue again. Hook up your mic arm to the logic port and the button changes from cough to on/off/cough and drives the red light whenever the mic is hot. Cool?

Installing the Guest Gizmo in your studio furniture couldn't be easier. All you need is a 2 ¾  inch grommet hole. A quick trip to the hardware store for a hole saw and you're ready for business. No router required. Your studio gets a clean, custom appearance and you get all the credit. Well deserved, we say.
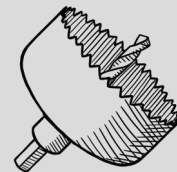
# Guest Gizmo

The Guest Gizmo uses your mixer's microphone insert jack to provide the muting function. A cable with a ¼ inch TRS plug at both ends is all you need. The muting is done with a sealed relay with isolated gold contacts. Because these are dry contacts, you can even use the insert jack to drive muting logic on a broadcast console if you have one.

Durable powder-coated steel enclosure.

Bright led illuminated cough (mute) button can also function as on/off/cough button.

Holes for (included) cable ties secure attached cables.

Active balanced line inputs for headphone amplifier.

All Angry Audio gadgets and gizmo are immune to RFI.

Built-in powerful headphone amplifier.

Premium components throughout.

Input from wall adapter transformer (included).

The Guest Gizmo installs in a standard 2 ¾ inch grommet hole.

Guests can adjust their headphone volume to personal taste.

A cable with ¼ inch TRS plugs at both ends connects here, and to your mixers insert jack.

Logic port drives mic arm tally and changes the cough button into an on/off/cough button.

## Specifications:

**Headphone Amplifier**

| | |
|---|---|
| Nominal Input Level | +4dBu |
| Input Impedance | 20kΩ Fully Balanced |
| Minimum Headphone Impedance | 32Ω |
| Maximum Output | +18dBu |
| Output Impedance | 10Ω |
| Frequency Response | ±0.2dB (20Hz - 20kHz) |
| THD + N | ≤0.008% (20Hz - 20kHz) |
| Noise | ≤-90dBu (20Hz - 20kHz unweighted) |
| Maximum Power | 550mW per channel at 75Ω |

**Power and Environmental**

| | |
|---|---|
| North American Version | 120VAC 60Hz |
| Power Consumption | 3VA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |
| Width x depth x height (Gizmo) | 3.125 x 3.125 x 4.25in |
| Weight (Gizmo + Power Adapter) | 1.6 pounds, 0.75 kilograms |
| Mounting hole diameter | 2.75 inch |

GUEST GIZMO BLOCK DIAGRAM
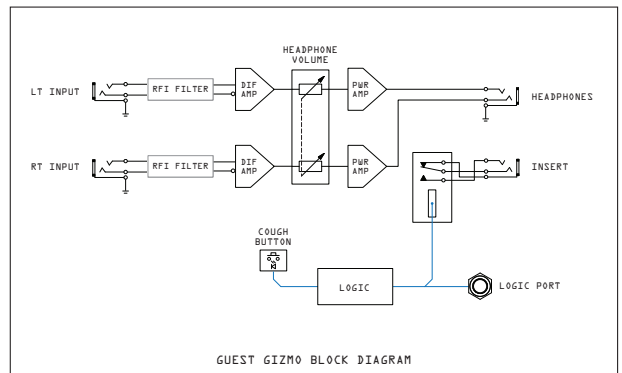
Part number:  991021 - North American Version
991021E - European Version

# Mic Tally Gizmo



You splurged. You bought gorgeous new M!KA microphone arms for the studio. And you got the ones with the tally lights. Good thinking. In the Smartphone era, guests get distracted. You need a way to get their attention and the mic arm tally lights are um, brilliant.



*M!KA is a registered trademark of Yellowtec GmbH. M!KA mic arm shown courtesy Yellowtec GmbH.*

So how exactly do you light those up anyway? With our Mic Tally Gizmo, of course! The 5-pin XLR topside carries the microphone audio and the signal voltage for the tally light. The microphone signal is passed through to a 3-pin XLR connector on the bottom.
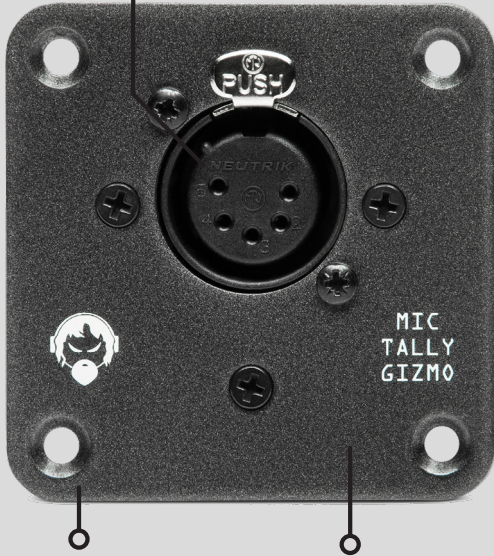
Dual logic inputs drive the tally either red or white. Red is usually the color for on-air. White can be used for an alternate signal. Ready light, talkback indicator, phone ringer, pizza delivery. You'll come up with a bright idea.

You won't need a carpenter to install the Mic Tally Gizmo in your furniture. Even if you're not that handy, you can handle a hole saw. A 2-⅛ inch hole is as easy as installing a desk grommet. Your studios will look amazing and you'll look brilliant.
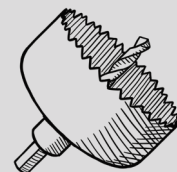
# Mic Tally Gizmo

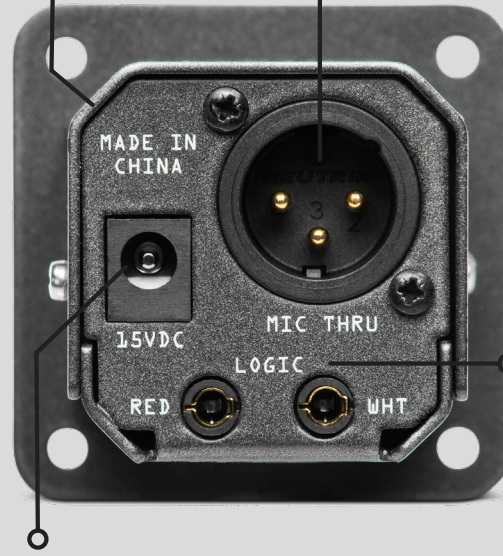*5-Pin XLR carries microphone audio and tally signaling.*

*Anchor holes for (included) tie wraps to manage cables.*

*Microphone audio connection to your preamp. Totally transparent.*

*Separate optically-isolated logic ports to activate the red or white tally light.*

*Installs into a round "grommet" hole for a streamlined, finished look.*

*Powder-coated steel enclosure keeps out RFI.*

*Input for (included) external 15Vdc power supply.*

## Specifications:

**Connections**

| | |
|---|---|
| Mic Arm Input | 5-pin XLR female jack |
| Mic Thru | 3-pin XLR male jack |
| Logic Ports | 3.5mm TRSS jack |
| Power | 15VDC input |

**Power and Environmental**

| | |
|---|---|
| Power Input (Adapter) | 115VAC or 230VAC, 50-60Hz |
| Power Output (Adapter) | 15VDC, 200mA, 3.0W |
| Tally Output | 12VDC, 80mA |
| Operating Temperature | 0° to 40° C (32° to 104° F) |
| Storage Temperature | -20° to 45° C (-4° to 113° F) |
| Relative Humidity | 0% to 90% non-condensing |

**Product Weight & Dimensions**

| | |
|---|---|
| Width x depth x height (Gizmo) | 2.25 x 2.25 x 3.25 in. |
| Weight (Gizmo & Adapter) | 1.0 pound, 0.46 kilograms |

MIC ARM

MIC THRU

RED

WHITE

LOGIC

LOGIC PORTS

MIC TALLY GIZMO BLOCK DIAGRAM
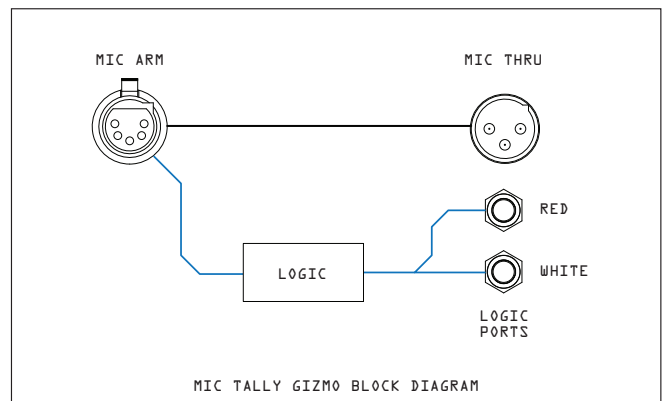
| Part number: | 991025 - North American Version |
|---|---|
| | 991025E - European Version |

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