

MyMix14

Headphone Monitoring System

Designed and Manufactured by:

Benson Sound, Inc.

(effective price list 07/24/2002)

Brochure & Price List



Benson Sound, Inc. - 3900 East I-240 - Oklahoma City, OK 73135

(405) 670-4461 office - (405) 670-4778 fax - web site www.bensonsound.com

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The idea for a way to have individual control of each persons own monitor mix began over 10 years ago. The first version, the original MyMix box, contained the capability to adjust 1 channel of incoming monitor feed plus independently adjust your own instrument/voice level. The master power supply is located back stage and does not require each box to be plugged into an AC power source. This box also contains a direct box to send this instrument directly to the house. This design helps to clean and clear up the maze of cables that seem to be around stage instruments.



In 1999 our 2nd version the MyMix 8 (above left), incorporates the same basic design it but goes a few steps further by giving the user control over not only their own instrument monitor level, but 6 additional sources (piano, bass, drums, vocals, choir and orchestra).

In 2000 we extended the number of inputs to Twelve channels or sources plus your own instrument and/or Microphone levels. This is the new MyMix 14 shown above right.

The intended design is for the rhythm section musicians to use the MyMix box and monitor this mix using a new open-air style of headphone. When you place these open-air headphones on your head you do not feel detached from the rest of the musicians on stage. It is also possible for instruments like the piano and organ to use a MyMix and have it control a floor or hotspot style of monitor and not utilize headphones as seen below.

We recommend using headphones wherever possibly to help lower the stage volume. The louder the stage volume gets, the louder the house volume has to be. Lower monitor levels minimize monitor spill and keeps it from washing-out and mudding-up the house sound.

The main feature of the MyMix design that is very important, is that each and every MyMix box has an input for that musician to control his own instrument level independent of the 6 or 12 additional channels that he can control. This input can be either microphone level or instrument level or both.

Other systems rely on the house mixer to send all of the channels to the remote mixer and therefore you have to tie up one of the channels for each musician. After 4 or 6 musicians you do not have additional channels for the rest of the mixes needed. The MyMix 8 can have 10 or more boxes and each box will have local control for that musician in addition to the 6 or 12 channels of additional instruments or voices.

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Placing the drummer on a good quality set of electronic drums and utilizing our MyMix monitoring system, the overall stage levels can be lowered and still keep the musicians and singers happy. If you are using a set of electronic drums and the drummer is not completely happy with the low-end he is hearing from the headphones, we have a shaker kit that fits on the throne the drummer sits on and give the low-end via a vibration style of subwoofer. The drummer is the only one aware that this shaker kit is installed, as it makes no acoustical sound in the room like a large monitor or actual subwoofer would. This kit can be added to any electronic drum kit.

The MyMix stage monitor system does not require power amplifiers, equalizers or a stage mixing console and an additional operator to give the stage monitor mixes that will keep your musicians happy.



The MyMix14 features 12 Channels PLUS your own individual instrument or microphone level channel for a total of 14 input controls. There is ground lift switch on each instrument and microphone direct outputs. On the rear panel there is a tuner output that can be connected to your favorite tuner. On the front panel there is an instrument level mute switch. This allows the musician to mute the direct output to the house and still be able to hear and send the instrument to the tuner. This is ideal for guitarist that want to check tuning during a performance. Electronic keyboard players love it because it allow them to mute while they look for that perfect preset sound. This is ideal for live sound installations.

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The MyMix14 is rack mountable or can be mounted to your music stand using a new 3M brand of plastic Velcro that is very strong. Other mounting options are optionally available. Mounting the MyMix14 below the music stand makes it very convenient to make adjustments during a performance. Notice there is room above each knob 1 thru 12 to place a label to identify the instrument or voices sent there.



There is a front panel mute button to allow the musician to mute his instrument while he tunes or searches for the right MIDI preset. Your instrument stays live in your headphones while the house is muted. The mute button turns orange when the DI output is muted.

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The MyMix14 incorporates an internal passive direct box with ground lift switch. When you plug your instrument in on the front side a microphone cable plugs in on the rear panel to connect you directly into the house sound system. If there should be a hum or noise in the system you can lift the ground switch. There is also a 1/4" mono tuner jack on the rear panel. This tuner output feeds your optional tuner even if the mute is on allowing the musician to tune without being heard in the house system. On the back side there is an additional 1/4" mono monitor output to feed a power amp and floor wedge monitor speaker instead of using headphones.



In the center of the rear panel is a microphone input and an microphone "feed thru" to pass the microphone level signal on into the house system. A ground lift switch is also provided for this microphone tap.

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On the right rear panel are two multi-pin connectors that brings the audio and external power supply into the MyMix14. You can keep adding MyMix14 units with the addition of our twisted-pair master cables. These cables are available in lengths 6', 10', 15' 20', 25' and 50'. A standard MyMix power supply can handle up to 10 MyMix14 units. An larger power supply is available for larger installations.



A piano floor wedge monitor is shown with a MyMix14 mounted on top of the monitor. The output jack on the rear panel feeds backstage to the piano monitor amplifier allow the pianist to listen without having to wear headphones but still able to control their monitor mix. When the musician is through playing pushing the mute switch mutes that monitor feed to the amplifier eliminating the audio in the now unneeded piano wedge monitor.

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Photo showing a MyMix14 headphone monitor box mounted to the bottom of a tall music stand keeping the controls within easy reach whether standing or sitting while playing.



Photo showing a MyMix14 monitor box mounted to the bottom of an extra wide directors' music stand allowing the director to make changes to the monitor mix even while directing an orchestra or choir.



Photo showing a MyMix14 headphone monitor box mounted to the bottom of a music stand keeping the controls within easy reach for the electronic keyboard player to adjust the mix or mute the keyboard while setting up a blended patch of several MIDI modules thus hearing the sounds in the headphones but being muted in the house AND in all other monitor mixes including all MyMix14 boxes.



Photo showing a MyMix14 headphone monitor box mounted to the drum rack directly in front of the drummer again keeping the controls within easy reach to adjust the mix. Drummers like the low-end that acoustic drums provide. These electronic drums feature a "Subwoofer Shaker" mounted to the drum throne letting the drummer "feel" the low end thru the seat but not putting those low frequencies out into the house.

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Installations & Comments about our MyMix14 Monitor System

"The MyMix system has given us what we've always wanted! Our musicians can hear what they need, and our sound operators can concentrate on the house sound. As a result, our band sounds tighter, our stage monitor volume level is down, and our sound men have stopped pulling out their hair! Our monitor mix is perfect every time.

Chris Leshner
Media Department
First Assembly of God
North Little Rock, Arkansas

"The MyMix boxes have been revolutionary in reference to individual control of specific and custom mixes by our musicians and singers.

It has allowed individual preferences in regard to sound which has been an incredible asset. It has enabled us to satisfy our platform team in a way we have never been able to.

Thanks Larry Benson & Company for your ingenuity and vision."

Craig Dacus
Senior Pastor
Bethesda Assembly of God
Oklahoma City, OK

"The MyMix system has been a real "problem solver" for our musicians. Everyone loves having their own headphones with the EXACT mix that they desire, Not only did it improve total mix quality for the house, but it took a tremendous load off of our audio technician. The MyMix system is THE BEST!"

Jerry Freeman - Board Member
Capitol Hill Assembly of God - Oklahoma City, OK

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Description	Cost Each
MyMix14 monitor station - one needed per musician	\$ 600.00
Sennheiser 545 over the head Open Air headphones (per pair). Allow musicians to hear what is going on around them without being cut-off and isolated from the stage happenings.	150.00
Shure E1 in-ear phones (per pair).	120.00
Shure E5 2-way in-ear phones (per pair).	525.00
DB-25 serial twisted pair jumper cables 20' . One required per MyMix box	20.00
BSI Custom master regulated power supply. One required per system - can power up to 12 MyMix14 boxes	300.00
BSI Custom I/O Euro gender conversion DB25 to audio interface box. One required per system - converts from twisted pair to audio lines.	175.00
Bulk line snake cable – console to stage area.	1.65ft
DB25 termination connector for console to stage cable. Requires two, one at each end of bulk cable. pre-wired on your specified cable length (priced each)	35.00
DB25 mult break-out box features 1 input and 5 outputs. Allows splitting of MyMix signals to different sides of the stage. One is only needed if there are to be MyMix users located on both stage sides.	110.00
RLD 3 x 1 line level signal combiner with cable assembly. Combine 2 or 3 console channel feeds into one MyMix feed. Combines low & high piano channels combined into signal combiner to feed just one channel of piano to the MyMix box.	140.00
Sescom IL-19 ground isolation/balancing transformers (one per channel needed) Used to isolate stage boxes from FOH mixer	40.00

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