

## Ham Radio Mixer Headset Setup - Equipment Inventory List - Required Items

Item #	Qty	Description	Price	Notes	Required/ Optional	Link
1	1	Behringer Xenyx 802 Premium 8-Input 2-Bus Mixer	79.99	Any two bus mixer will work.	Required	<a href="http://www.amazon.com/dp/B000J5XS3C">http://www.amazon.com/dp/B000J5XS3C</a>
2	2	Yamaha CM500 Headset with Built In Microphone	59.99	Comes with mic power adapter to make mics work with mixer.	Required	<a href="http://www.amazon.com/dp/B000BZ6ZX0">http://www.amazon.com/dp/B000BZ6ZX0</a>
3	1	3 Pack 3.5mm Male to Male Stereo Audio Cable Cord	7.99	1 - REQUIRED to get audio from radio to mixer. 1 - OPTIONAL to allow recording of both sides of transmission from mixer into User Supplied audio recorder. (3 pack is same price as 2 pack and some single cables)	Required	<a href="http://www.amazon.com/dp/B018VVTMGW">http://www.amazon.com/dp/B018VVTMGW</a>
4	1	Pyle-Pro PHA40 4-Channel Stereo Headphone Amplifier	16.22	Used for individual volume control	Required	<a href="http://www.amazon.com/dp/B003M8NVFS">http://www.amazon.com/dp/B003M8NVFS</a>
5	1	Cable Matters 5-Pack, Gold Plated 6.3mm (1/4 inch) to 3.5 mm Male to Female Stereo Adapter	7.99	2 - REQUIRED One for Operator Headset and One for Logger Headset into Headphone Amplifier. 2 additional MAX allows for 4 total headsets to work together. 1 Adapter will not be needed.	Required	<a href="http://www.amazon.com/dp/B00PIWB2SO">http://www.amazon.com/dp/B00PIWB2SO</a>
6	1	3 Ft 1/4" TRS to 1/4" TRS Patch Cable (2 Pack)	12.95	1 - Used to feed audio from mixer to headphone amplifier. 1 - Used to fed audio signal from FX Send to iBox/Radio audio input (This side of cable may need to be rewired. Refer to your manual. Ring and Sleeve need to be shorted on iBox audio in side).	Required	<a href="http://www.amazon.com/dp/B00HKN0NZ2">http://www.amazon.com/dp/B00HKN0NZ2</a>
7	2	1/8" 3.5mm TRS Stereo Female Connector to Dual 1/4" 6.35mm TS Mono Male Connectors	7.99	1 - REQUIRED to get audio from radio to mixer. 1 - OPTIONAL to allow recording of both sides of transmission from mixer into User Supplied audio recorder.	Required	<a href="http://www.amazon.com/dp/B00VB949VA">http://www.amazon.com/dp/B00VB949VA</a>
8	2	Stereo 3.5mm Mini Female to Male XLR Audio Adaptor	9.95	2 - REQUIRED to allow Headset mics to be plugged into Mixer.	Required	<a href="http://www.amazon.com/dp/B00CODJFIE">http://www.amazon.com/dp/B00CODJFIE</a>
9	1	iBox Radio Interface	79.99	Kits are available for \$59.99 ( <a href="http://www.w2ihy.com/interface-boxes/ibox-kit.html">http://www.w2ihy.com/interface-boxes/ibox-kit.html</a> ) The iBox circuit diagram is available in the kit assembly manual. The circuit could be DIY wired to save even more money.	Required	<a href="http://www.w2ihy.com/ibox.html">http://www.w2ihy.com/ibox.html</a>
10	1	Heil HS-2 Hand switch for PTT	39.95	Requires 1/4 TS female to RCA male adapter	Required	<a href="http://www.amazon.com/Heil-HS-2-Hand-switch-PTT">http://www.amazon.com/Heil-HS-2-Hand-switch-PTT</a>
11	1	Hosa Cable GPR104 1/4 Inch Female TS To RCA Male Adaptor	2.45	Required for Heil HS-2 PTT Switch for iBox connection	Required	<a href="http://www.amazon.com/Hosa-Cable-GPR104-Female-Adaptor">http://www.amazon.com/Hosa-Cable-GPR104-Female-Adaptor</a>
12	2	Nubwo K6 Headset, Stereo Over Ear Gaming Headphones with Microphone LED Lighting for Pc (Black/red)	21.99	Mic needs a windscreen. I've found item 13 to fit the mic. You may find a better headset. 2 - max for 4 total headsets.	Optional	<a href="http://www.amazon.com/gp/product/B01DJ5DVP8">http://www.amazon.com/gp/product/B01DJ5DVP8</a>
13	1	Universal Foam Microphone Cushions (Windscreens)	12.99	Required for Nubwo headsets. Their mic needs a windscreen.	Optional	<a href="http://www.amazon.com/gp/product/B00N05J7FG">http://www.amazon.com/gp/product/B00N05J7FG</a>
14	2	Hosa YMM232 6-Inch Y Adapter, 1/8-Inch Stereo Male-Dual 1/8-Inch Female	3.86	OPTIONAL - Without these, Operator and Logger headsets will work. 1 each of these adapters to allow each additional headset mic to work. 2 MAX for 4 working headsets total.	Optional	<a href="http://www.amazon.com/dp/B000068O5G">http://www.amazon.com/dp/B000068O5G</a>

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15	1	Fosmon Wired Stereo Gaming Headset [3.5mm TRRS Jackport] Adjustable Headband Headphones with Microphone Volume Control Remote (Black/Red)	12.99	The mic on this headset is not hot enough to provide adequate audio. All Headsets with TRRS plug will require this adapter (\$8.99) to breakout Headphone and Mic connctions: <a href="http://www.amazon.com/Headphone-Splitter-Separate-Microphone-Aluminum-Adapter">http://www.amazon.com/Headphone-Splitter-Separate-Microphone-Aluminum-Adapter</a> Recommended	Not Recommended	<a href="http://www.amazon.com/Fosmon-Jackport-Adjustable-Headphones-Microphone">http://www.amazon.com/Fosmon-Jackport-Adjustable-Headphones-Microphone</a>
16	1	Etekcity RoverBeats Bravo Professional Over Ear Stereo Headset with Microphone, Headset Splitter, Black/Gray	11.95	Plugging in mic from this headset introduces hum into the mixer's audio.	Not Recommended	<a href="http://www.amazon.com/gp/product/B00HIW1E4Y">http://www.amazon.com/gp/product/B00HIW1E4Y</a>

Technical Credit:  
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Documentation Credit:  
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Source Documents and Equipment Inventory List:  
<https://github.com/W4OFO/Ham-Radio-Mixer-Setup/wiki>



github.com