



ENCORE WORSHIP
CONFERENCE

In-ear Monitoring and Backing Tracks on a Budget

Mark Miller

Small Church, Small Budget

Problems We Were Facing

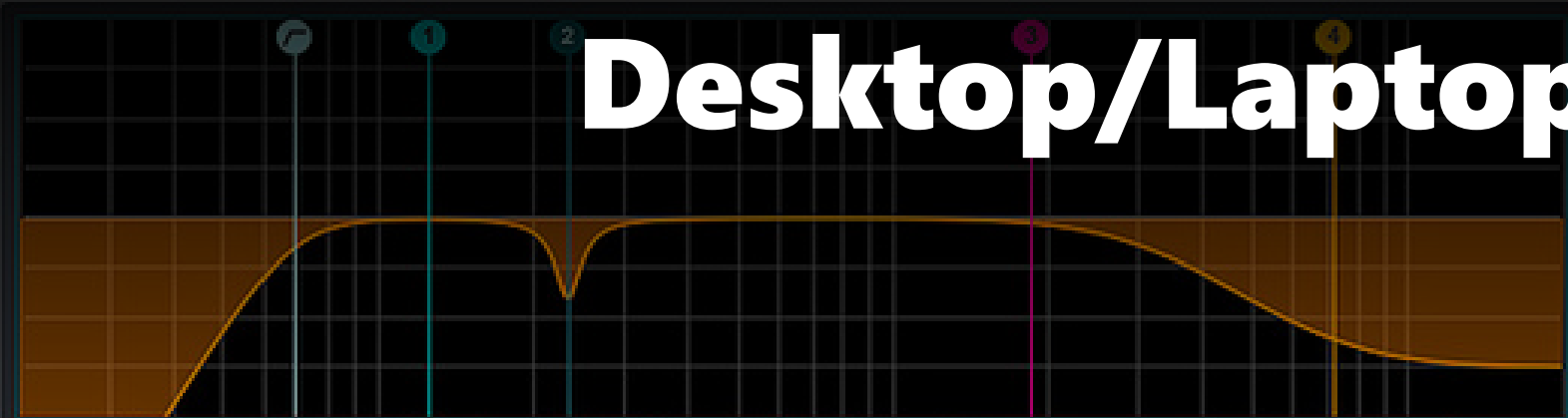
Solutions

Step 1. Digital Mixer

Behringer X Air XR18 - \$600



Desktop/Laptop



PEQ RESET Low LoMid HiMid High RTA Pre Spec

Mode	Gain	Freq	Qual
PEQ	+0.00 dB	124.7 Hz	2.0
PEQ	-8.00 dB	232.3 Hz	7.1
PEQ	+0.00 dB	1k84 Hz	2.0
HShv	-15.0 dB	7k09 Hz	2.0

Low Cut: 68 Hz

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	Aux	FX 1	FX 2	FX 3	FX 4
Vox 1	Vox 2	Vox 3		Keys 1	Keys 2	Gr MC	Bass DI	Kick	Snare	Tom 1	Tom 2	Tom 3	Kit OH			Aux	FX 1	FX 2	FX 3	FX 4
Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo	Solo
-∞	-∞	-∞	-∞	-∞	-∞	-53.1	-∞	-58.7	-∞	-∞	-53.1	-∞	-∞	-∞	-∞	-∞	0.0	0.0	0.0	0.0
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40	40
50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Setup In/Out Utility Resize Save Load Copy Paste

DCA GROUPS 1 2 3 4 LR LR

Select

Clr Solo

Main LR

Bus1 Bus2 Bus3 Bus4 Bus5 Bus6

FX 1 FX 2 FX 3 FX 4

Tablet



FX

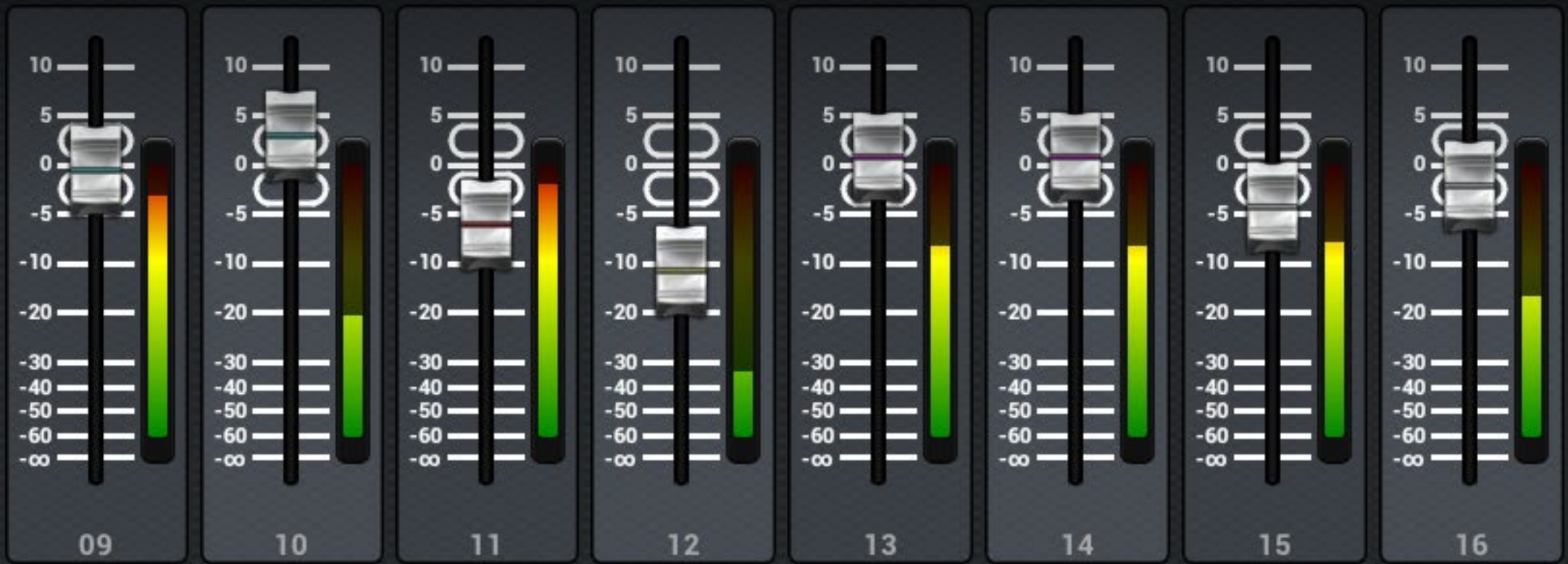


GATE	GATE	GATE	GATE	GATE	GATE	GATE	GATE
DYN	DYN	DYN	DYN	DYN	DYN	DYN	DYN
EQ	EQ	EQ	EQ	EQ	EQ	EQ	EQ
Bass	Git	Piano L	Piano R	Synth L	Synth R	Voc Female	Voc Male
SOLO	SOLO	SOLO	SOLO	SOLO	SOLO	SOLO	SOLO
-14.1	-7.6	+1.5	+1.5	+2.1	+0.5	-2.7	-8.9
CH 01	CH 02	CH 03	CH 04	CH 05	CH 06	CH 07	CH 08
MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE	MUTE

Fine	CH 1-8
Mutes	CH 9-16
Snd->Fader	Aux / FX
Bus 1 ↓	Bus
Bus Master	FXSnd / Main
	DCA

X Air Q - Phone

1 L: IEM
2 R: IEM



ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF ON OFF



3 Bass 3 Git 1 3 Git 2 3 Sax 1 Keys 1 Keys 1 Voc 1 3 Voc 2



Step 1. Digital Mixer

Step 2. In-Ear Monitors

Rolls pm50s - \$45



25' XLR Female to 1/4 Male - \$11



KZ ZST - Dual Driver - \$20



Comply Foam Tips - \$20



Step 1. Digital Mixer

Step 2. In-Ear Monitors

Step 3. Click Tracks

1/8" to stereo Male XLR - \$15



Tracktion 7 - Free

The screenshot displays the Tracktion 7 digital audio workstation interface. The main workspace is filled with a grid of tracks, each containing audio waveforms. The tracks are color-coded and labeled as follows:

- Track 1: 750K003.7
- Track 2: LEK_173_HVN_DETAL
- Track 3: LEK_173_HVN_PERC
- Track 4: DD_140_Rythm Loop_0004_FT3
- Track 5: DD_140_Rythm Loop_0004_R14
- Track 6: DD_140_Rythm Loop_0004_R21
- Track 7: DD_140_Rythm Loop_0005_GM2
- Track 8: DD_140_Rythm Loop_0003_AK13
- Track 9: DD_140_Mod Line_004_E12
- Track 10: DD_140_Mod Line
- Track 11: DD_140_Os Trc_021_B
- Track 12: DD_140
- Track 13: Group (Midi)
- Track 14: 126 Env.
- Track 15: UFD4 Upfilter_00ars_47_FRK
- Track 16: UFD4 Upfilter_00ars_47_FRK
- Track 17: Killer Dr.

On the right side, the mixer panel is visible, showing volume levels and gain for each track. The tracks are labeled with their respective names and volume levels, such as FabFilter Pro-C (50) at +0.0 dB and Guitar Rig 5 at -0.3 dB.

In the bottom center, a 4-Band Equaliser Plugin window is open, showing the frequency response curve and settings:

- High Shelf: +18 dB, Frequency = 17000Hz, Gain = 0.000dB, q = 0.50
- Buttons: Reset, Phase Invert, Preset, Load, Save, Del, Delete Plugin
- Options: Remap on Tempo Change, Enabled

The bottom status bar shows the current project settings: BPM 173.00, 100, 2, 424, 4/4, C, 00:02:59, 489.



Cakewalk - Free

HELP MODULE

Audio Clip

An audio clip contains a long series of samples representing the fluctuating amplitude of a waveform.

Smart tool gestures:

- To select a clip, click the clip.
- To make a time selection, drag horizontally below the clip header.
- To lasso select clips, drag with the mouse button.
- To move a clip, drag the clip header to the desired location.

Reaper - \$60



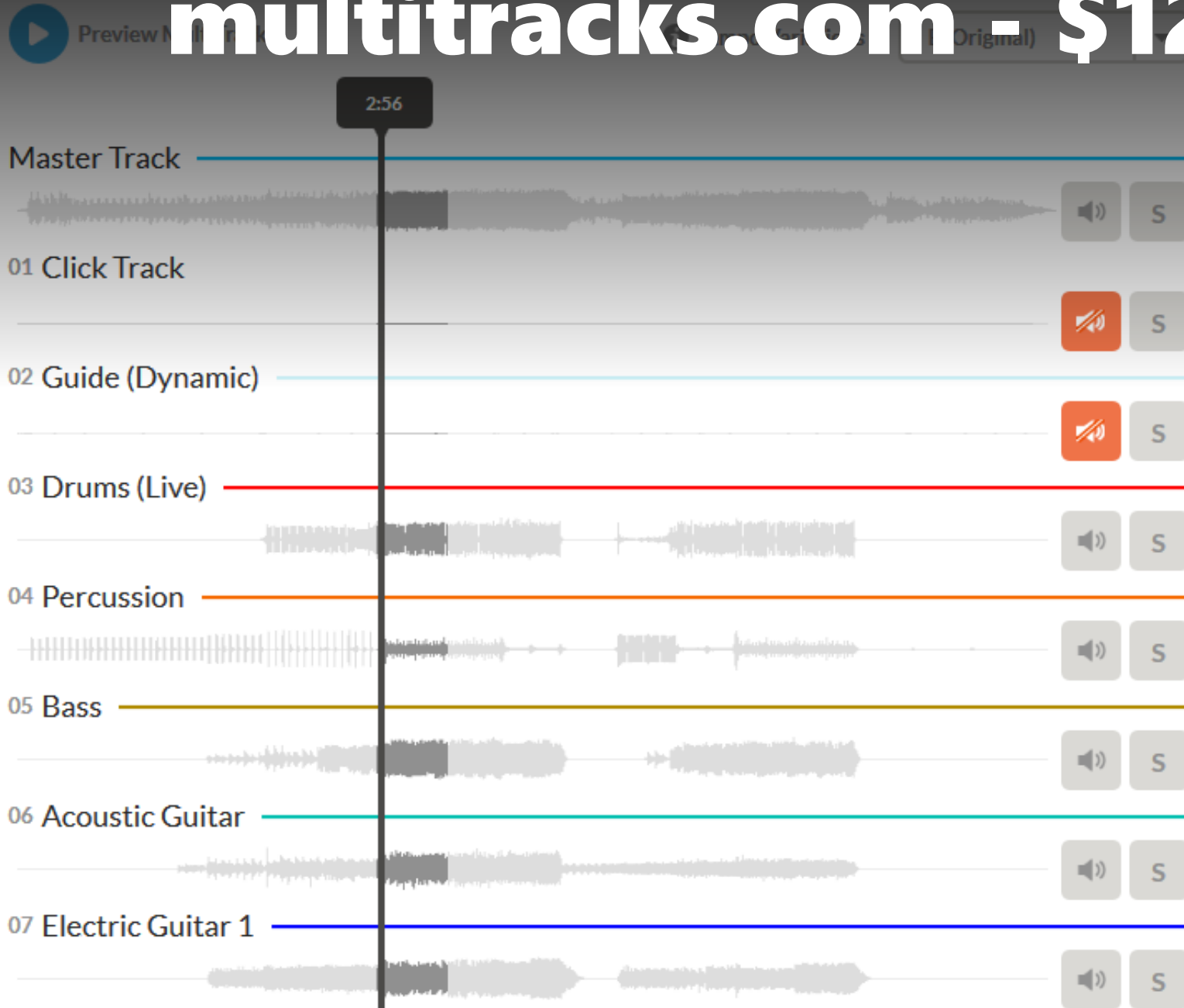
Step 1. Digital Mixer

Step 2. In-Ear Monitors

Step 3. Click Tracks

Step 4. Backing Tracks

multitracks.com - \$12-\$35 each



WAV MultiTrack \$35 Buy

MultiTracks are all of the individual parts or "stems" that make up an Original Master Recording. 12 keys included, engineered for live performance. [Learn More](#)

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Things to Consider



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