

DIGITAL MUSIC RECORDING METHODS

AT
THE RAL CONVENTION 2009
KNOTTSBERRY FARM

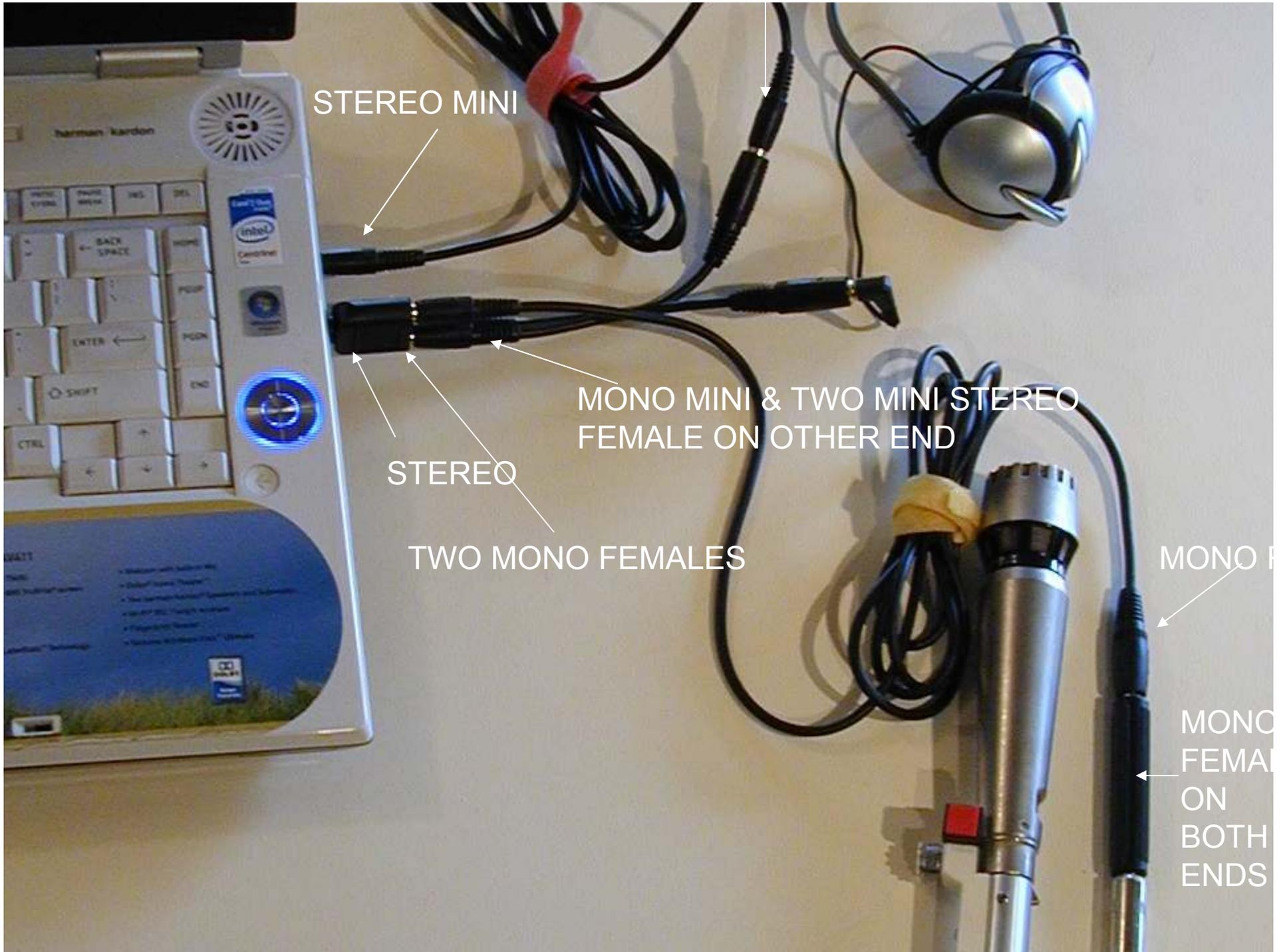
BY
JOE HILTON
BOB NOLEN



THE LAZY, SIMPLE WAY TO RECORD DIGITAL MUSIC

- NEEDED HARDWARE
 1. LAPTOP WITH LINE-IN INPUT
 2. ADAPTERS WITH ONE MALE STEREO MINI-JACK ON ONE END AND TWO FEMALE MONO MINI-JACKS ON THE OTHER END. THIS IS THE MAIN FOCUS OF THIS CAPABILITY
 3. PLUG IN A MALE MINI MONO INTO ONE SIDE OF 2. WITH 2 FEMALE STEREO FEMALE PLUGS ON THE OTHER END
 4. PLUG IN THE MUSIC FROM THE EAR PLUG JACK INTO ONE (STEREO ON THE COMPUTER END) AND A STEREO MINI ON THE OTHER END INTO ONE OF THE FEMALE ADAPTERS OF 3.
 5. THEN PLUG IN A MICROPHONE (EITHER THE HAND HELD ONE YOU USE OR A HEADPHONE MIC) ALL ARE MONO (SEE PICTURE ON NEXT SLIDE) OF 2.
 6. NOW PLUG IN EARPHONES TO THE OTHER FEMALE ADAPTER OF 3.
 7. NOW YOU ARE READY TO RECORD IN STEREO!!
 8. YOU WILL NOT HEAR YOUR VOICE IN THE EARPHONES BUT YOU HEAR YOURSELF IN YOUR HEAD ANYWAY!!





STEREO MINI

MONO MINI & TWO MINI STEREO FEMALE ON OTHER END

STEREO

TWO MONO FEMALES

MONO F

MONO FEMALE ON BOTH ENDS



SAME AS PREVIOUS SLIDE
EXCEPT SWAP OUT HEAD-
SET MIRCROPHONE

READY TO RECORD

- START UP A SOFTWARE THAT CAN PLAY THE MUSIC, eg, DM
- START UP A RECORDING SOFTWARE
- SET SOFTWARE TO RECORD IN STEREO
- START RECORDING, THEN START MUSIC OR BEGIN WITH INTROS FIRST THEN START MUSIC



LAZY BUT EFFECTIVE

- NO NEED TO HAVE AN EXTERNAL SOURCE OF MUSIC
- CAN DO ALL IN ONE COMPUTER
- IF WANT STEREO MUSIC THEN USE ALL STEREO COMPONENTS INPUTS ON LINE-IN INPUT OR RECORD WITH 2 TRACKS
- ONE MORE OPTION IS USE A USB MIC



EXTERNAL SOUND CARDS

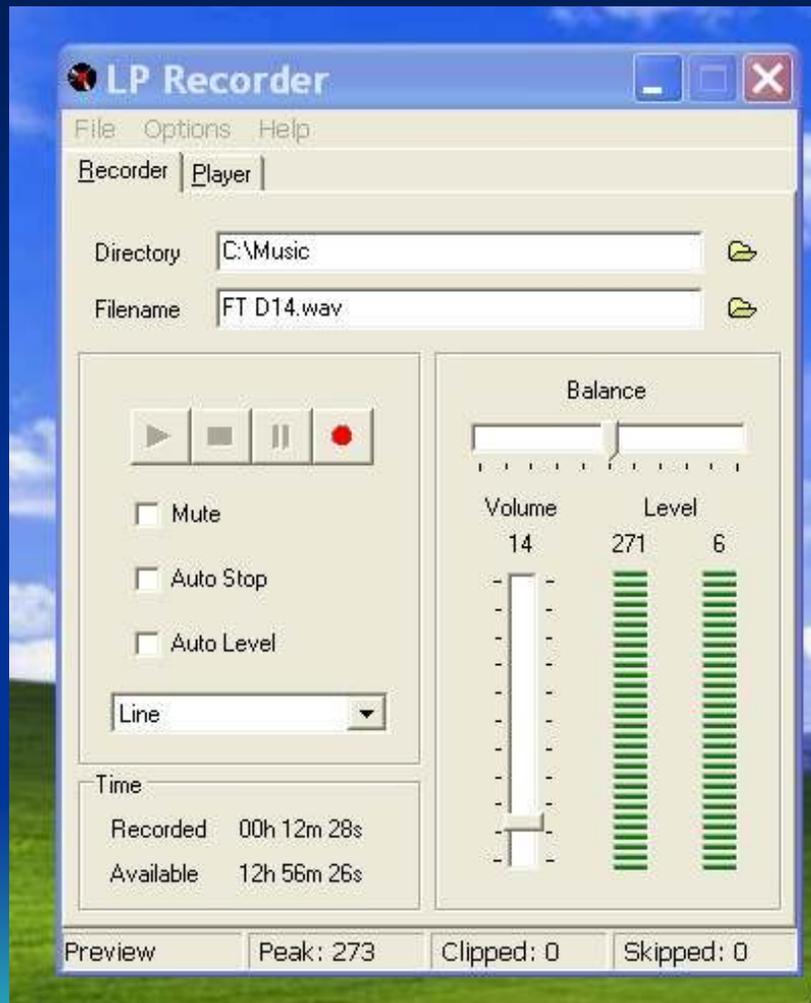


Behringer UCA202
About \$30 on the
internet

Xitel INport Deluxe
About \$30 on the
internet



RECORDING FILES



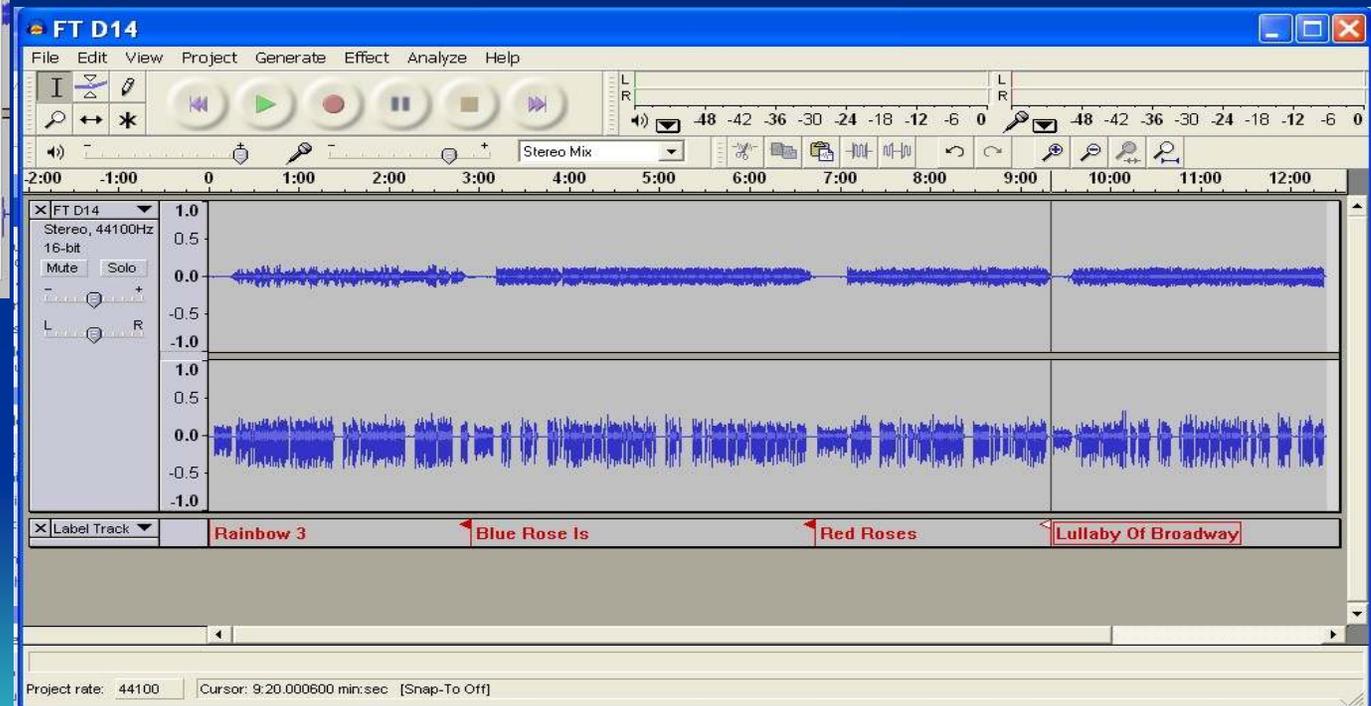
- Xitel INport Software
- Set input levels
- Start analog device & let entire CD, MD, or record play
- Generates a large WAV file

CHANGE WAV TO MP3 FILES



MAKE INDIVIDUAL MP3 FILES

- Place track marker at start of a track
- Select “Add Label At Selection” or “Ctrl+B”
- Enter track name “Label Track Bar”



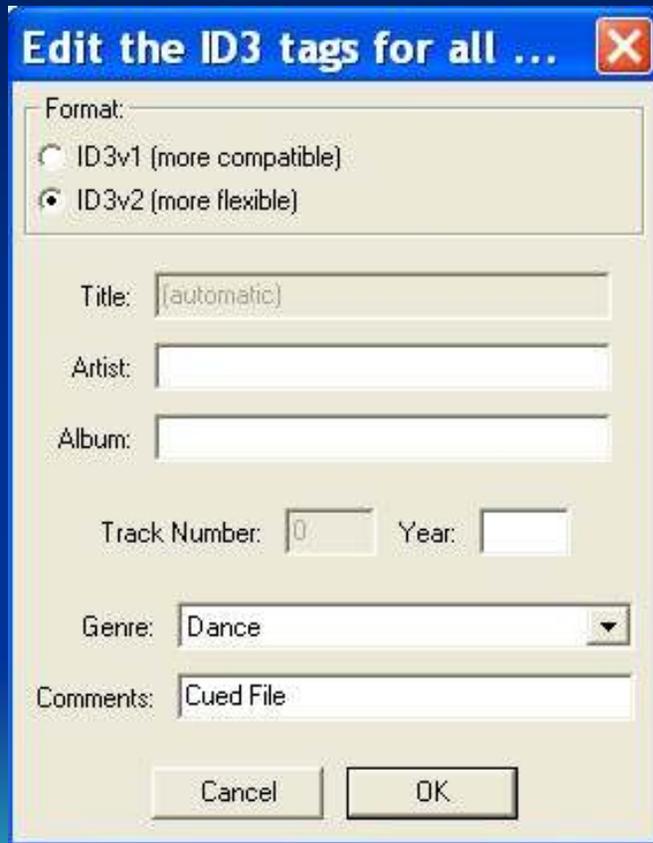
EXPORT MP3 FILES

Select “Export Multiple”



- Choose export format - “MP3”
- Highlight “Labels” button in “Split files based on” box
- Highlight “Using Label/Track Names” in “Name files” box & Click “Export” button

EDIT FILE TAGS



Format:

ID3v1 (more compatible)

ID3v2 (more flexible)

Title: [automatic]

Artist:

Album:

Track Number: 0 Year:

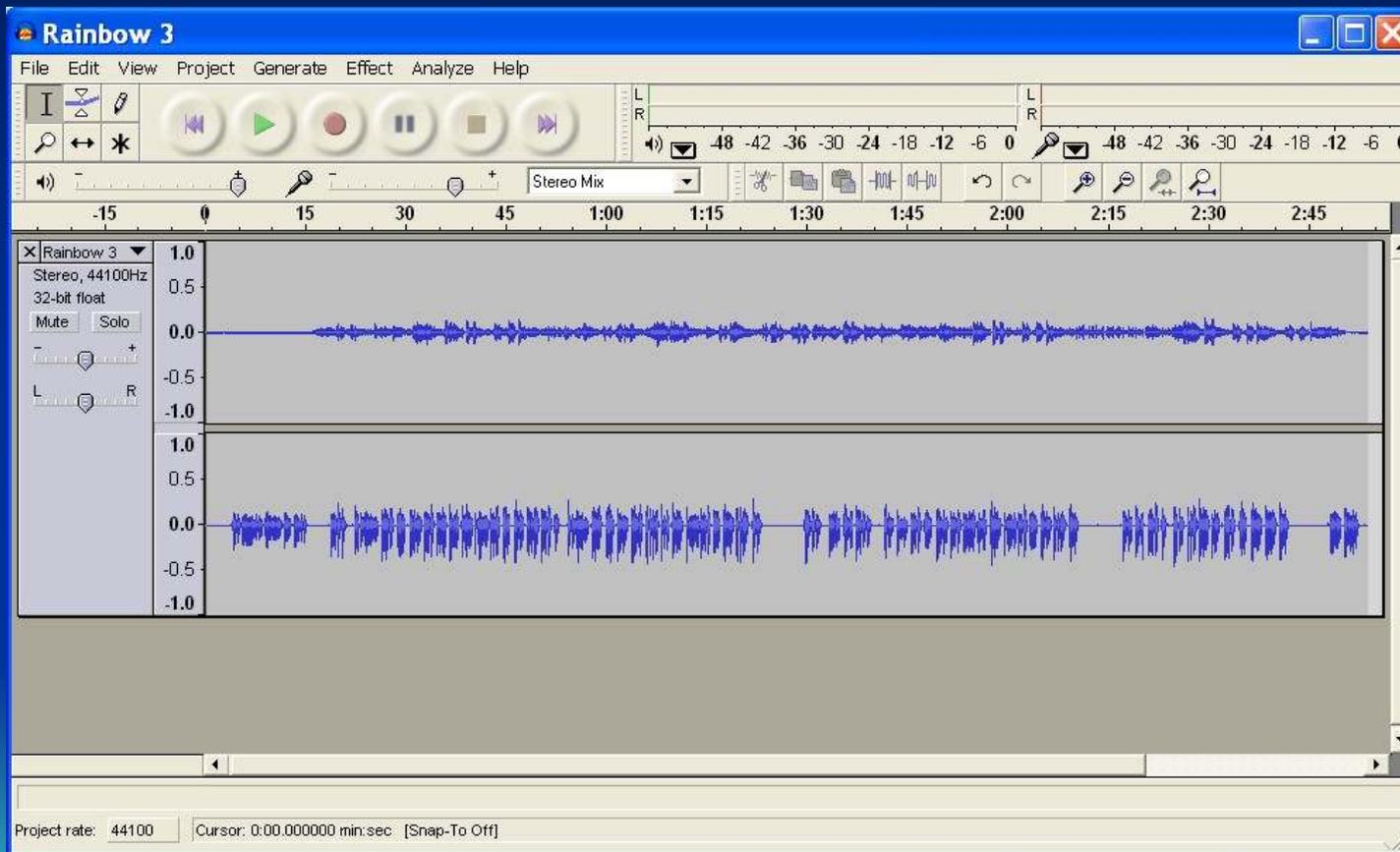
Genre: Dance

Comments: Cued File

Cancel OK

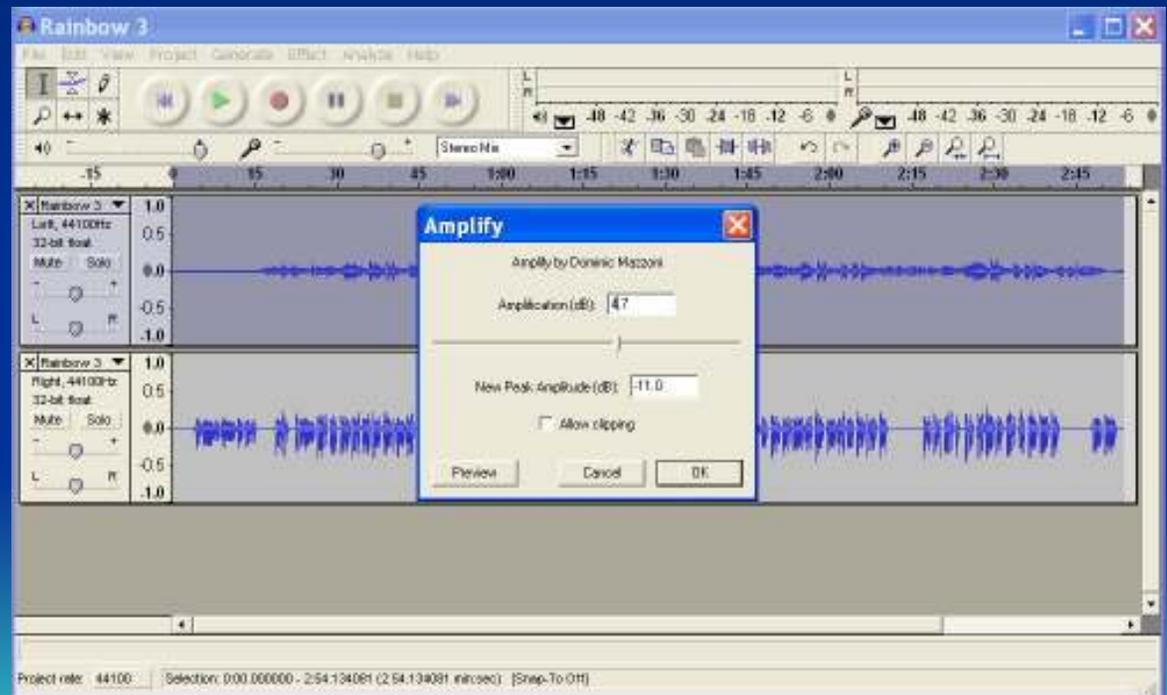
- Enter information in the ID3 tags for each of the files and click the “OK” button
- Audacity will create a mp3 file starting at each labeled point & save them at the location shown in the “Export Multiple” dialog box

EDITING FILES



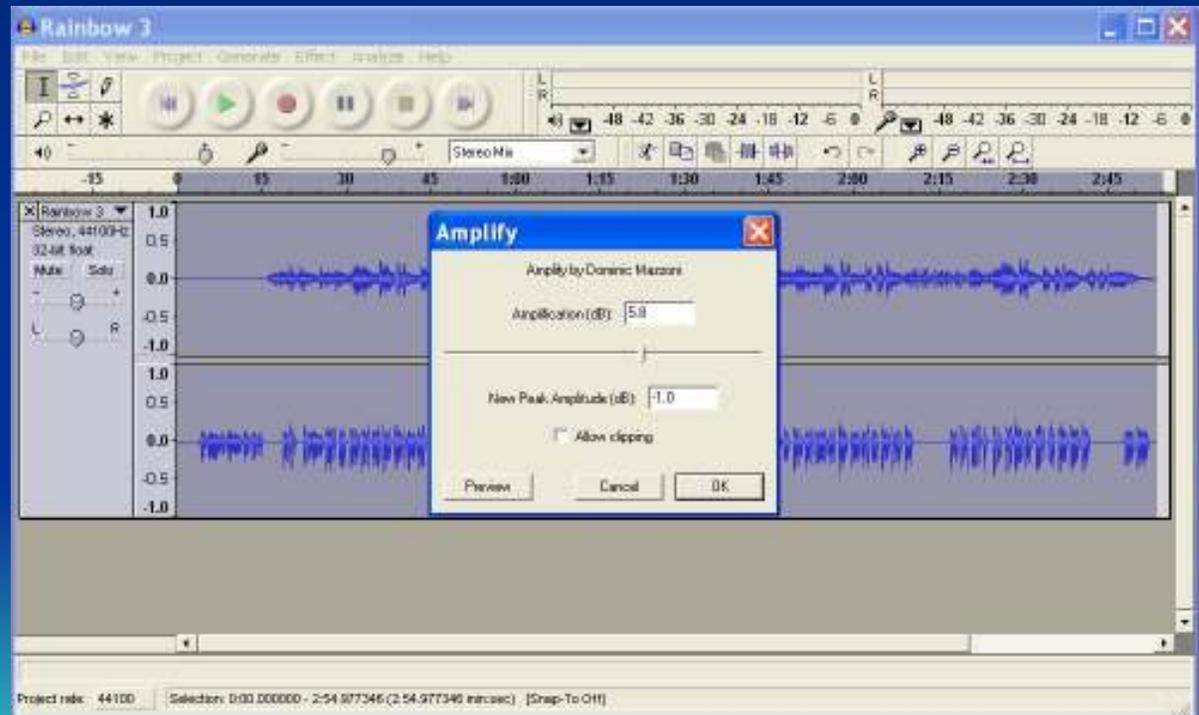
WORKING SEPARATE TRACKS

You can split the tracks to work on one track without changing the other track

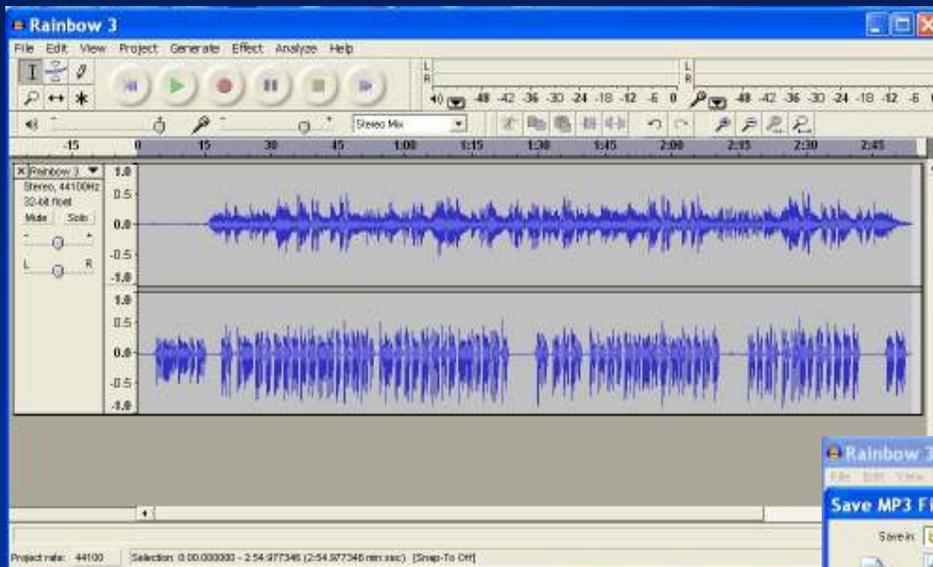


REJOINING TRACKS

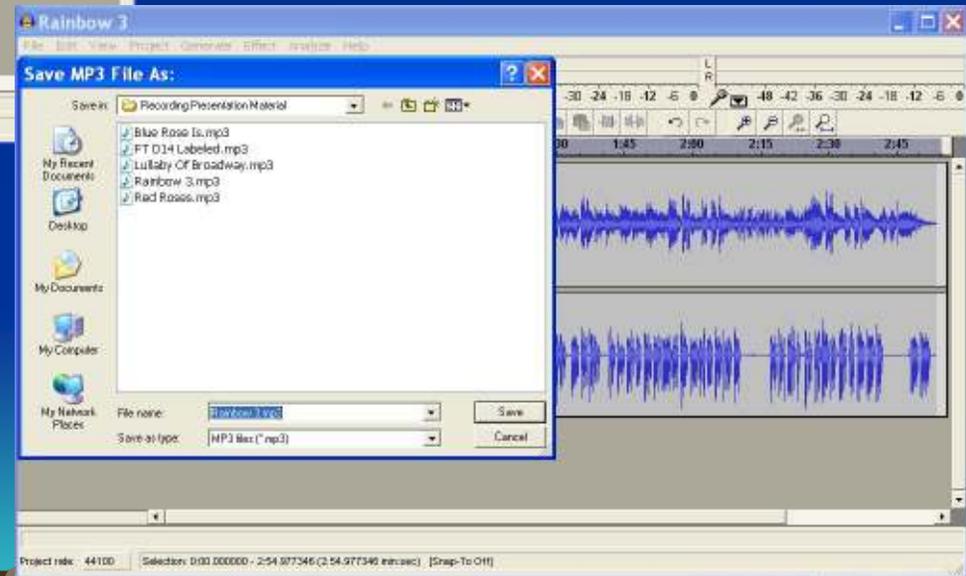
- Select “Make Stereo Track” to rejoin tracks
- “Amplify” is on the “Effect Menu”



Select the “Export Selection as MP3” option from the “File Menu”



Dialog box indicates file will be saved with same name at the same location from which file was opened



SAVE IT



Overwriting the old file is usually best option since it precludes confusion about the most recent file

THAT'S ALL FOLKS!