MEDIA FOR MOBILE DEVICES

Converting Audio & Video

Abstract

The following document outlines the tools and process for converting media files for use on Mobile Devices

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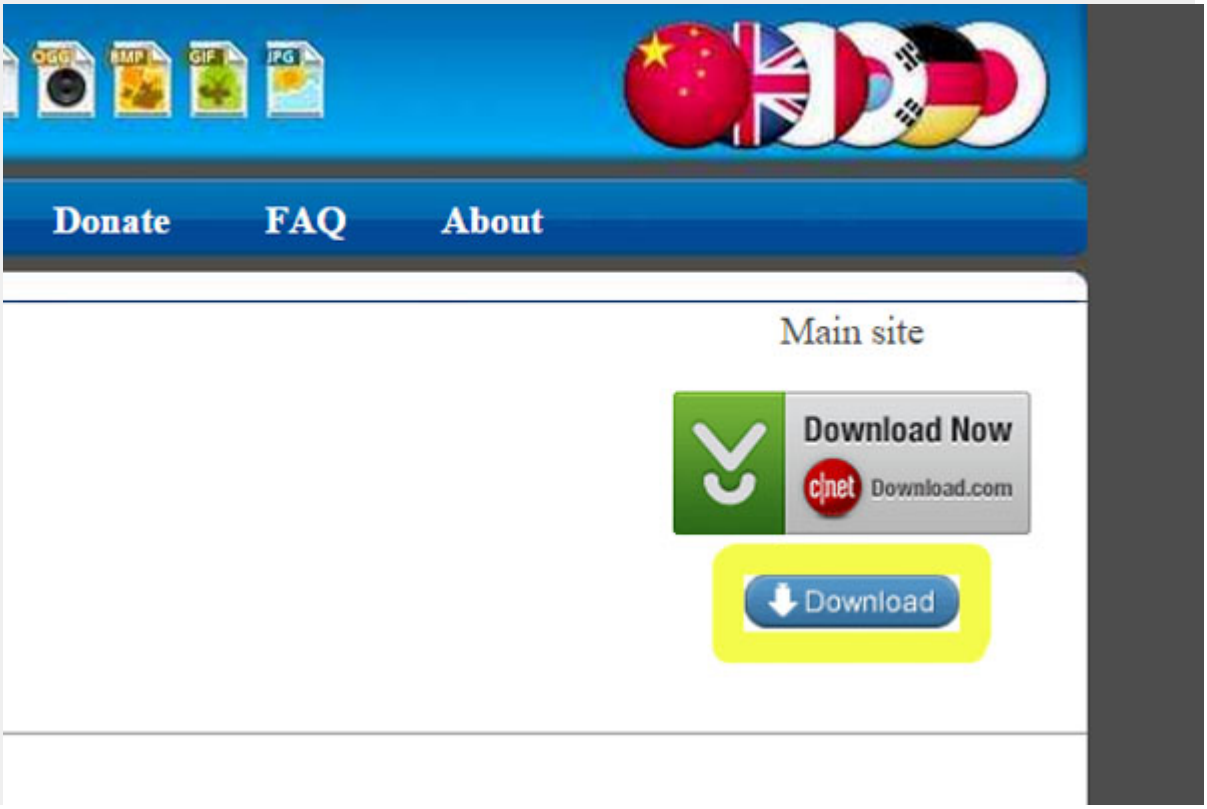
Converting Video

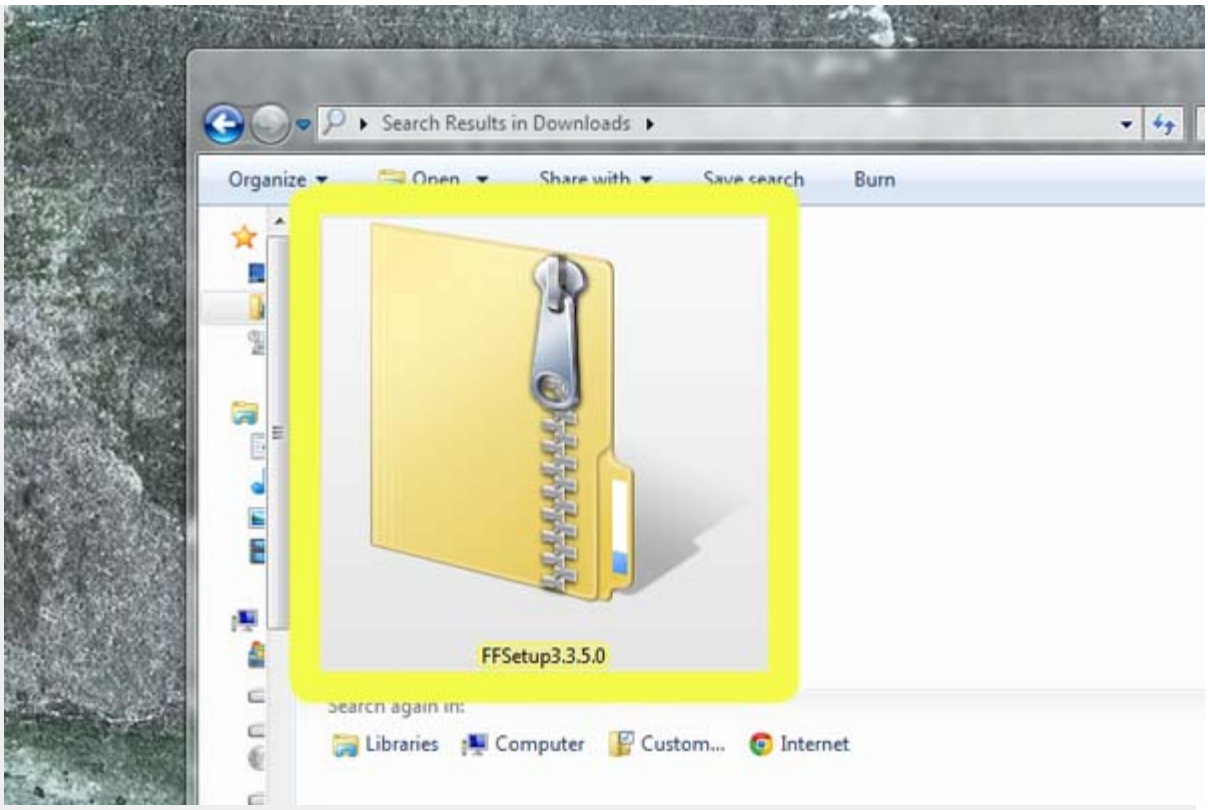
Section 1 – Downloading FormatFactory:

1. First, we need to download and install FormatFactory. In a new browser window, navigate to pcfreetime.com/download Or download the FormatFactory install file from the OM SharePoint site Media Content Library/Application Content from the folder appropriate for your device. Note: if you have already installed the FormatFactory application skip to Section 2.

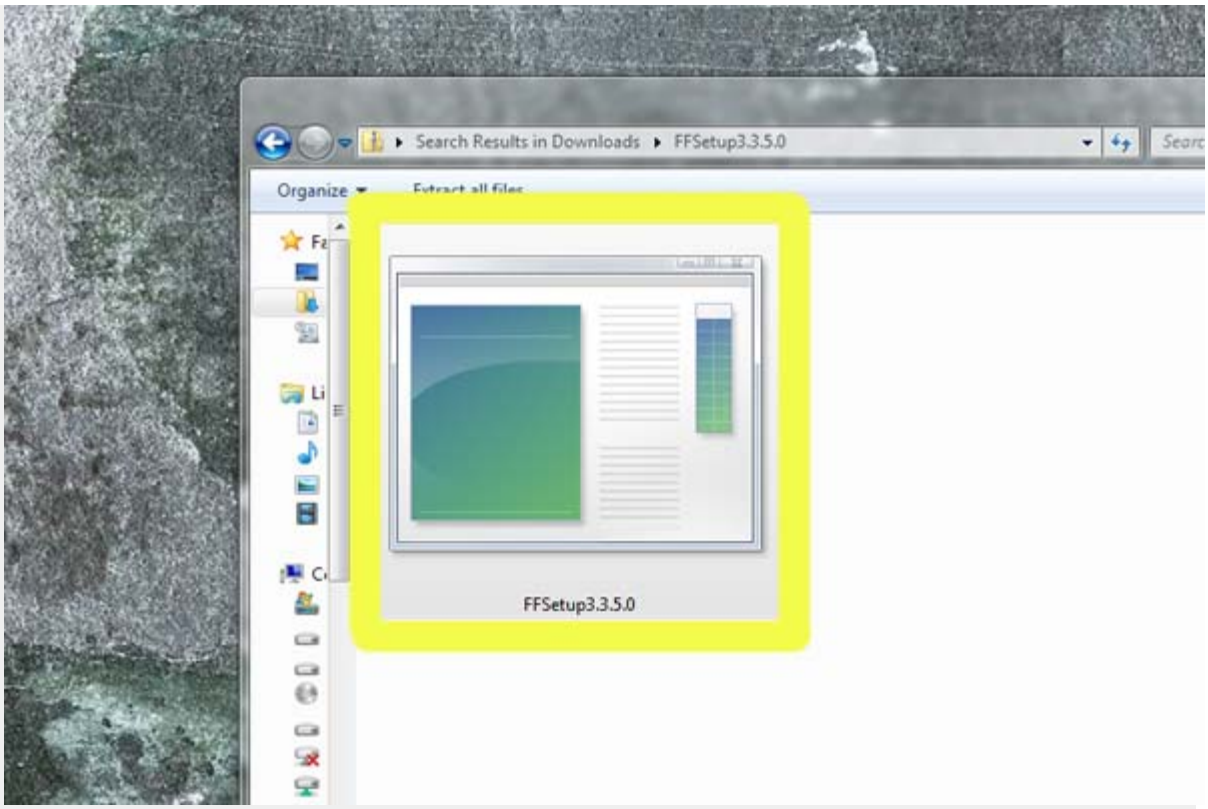


1.

2. After a while, your downloads will complete. Navigate to your downloads folder. A zipped folder called FFSetup will be in your downloads folder. Open up this folder (you don't need to unzip it).



3. Click on the file that the folder contains. This will begin the installation process.

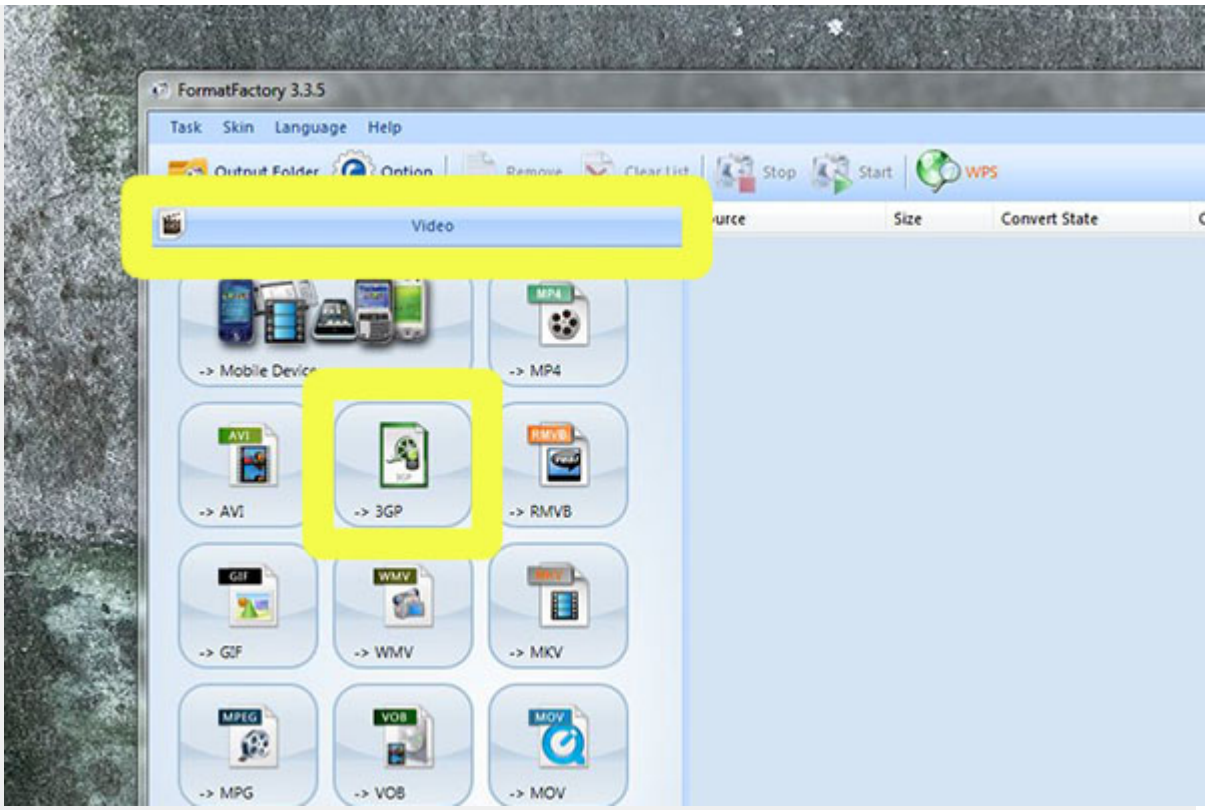


4. Continue through the installation process as you would with any other software. When you are prompted to install Ask.com software, uncheck the two check boxes and press next. When you are prompted to install software other than FormatFactory, click “Decline.”

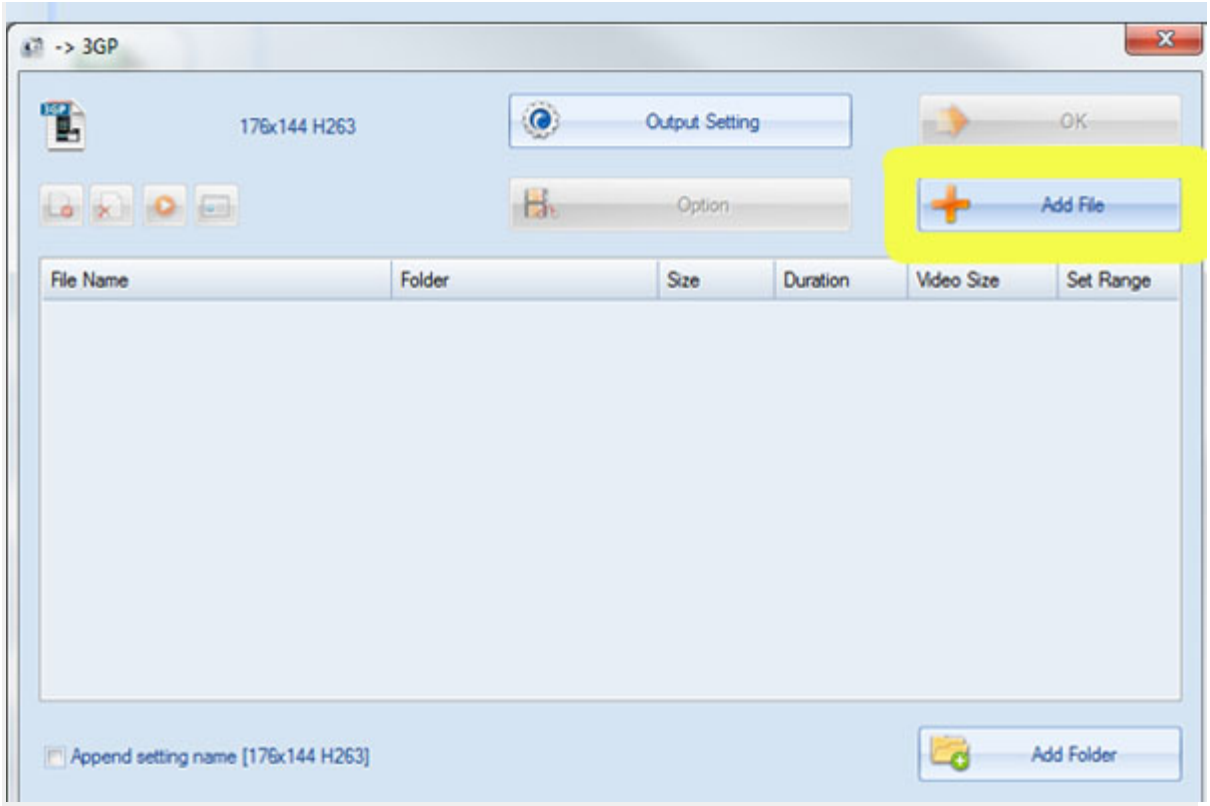
FormatFactory Setup
Recommended Offer
t and keep Ask as my default search provider
t and keep Ask.com as my browser home page and new tabs page
Installs on
king "Next" and installing this application you agree to the End User License Agreement
and Privacy Policy. The Search App by Ask is a product of APN, LLC.
Next
Cancel
HotspotShield
By AnchorFree, Inc.
By clicking "Accept" and installing the Hotspot Shield application you agree to the
Anchorfree, Inc. End User License Agreement and Privacy Policy.
Accept
Decline

Section 2 – Converting Video From File:

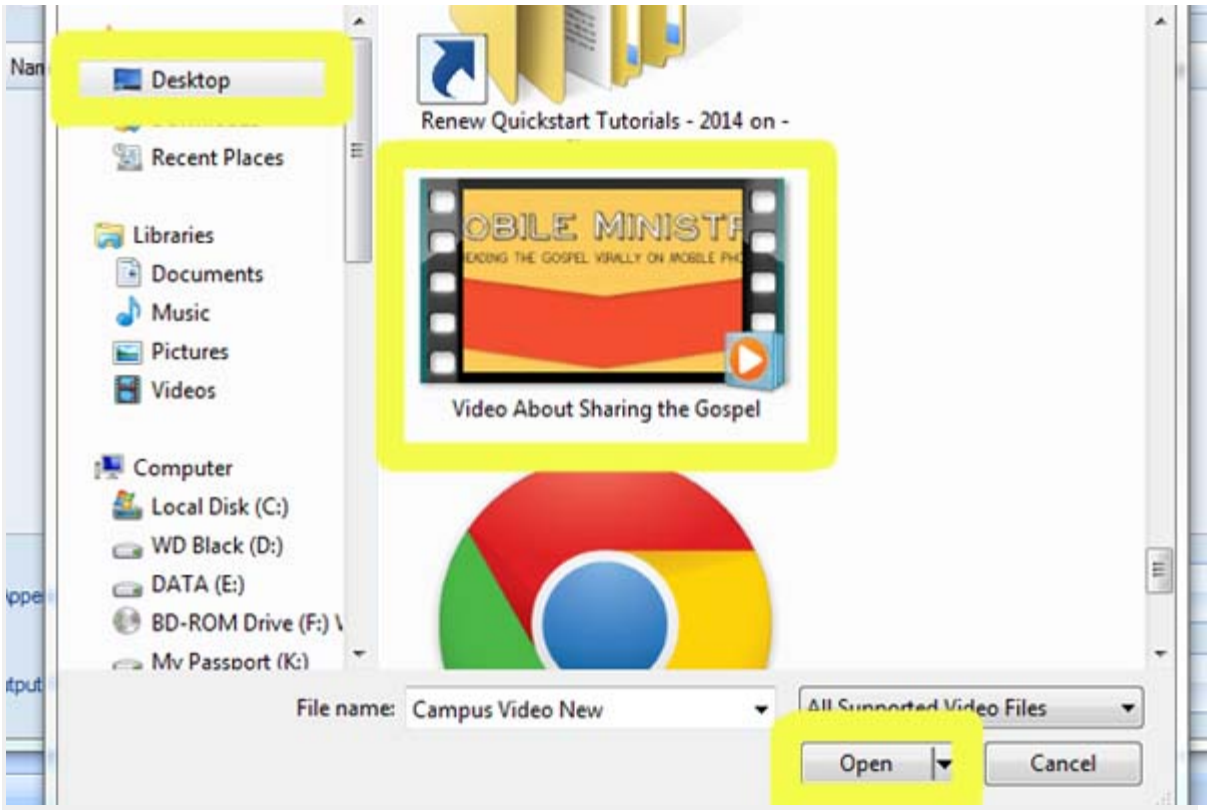
1. When the installation is complete, open up FormatFactory. Click on the “Video” tab on the left navigation bar, and click “-> 3GP.”



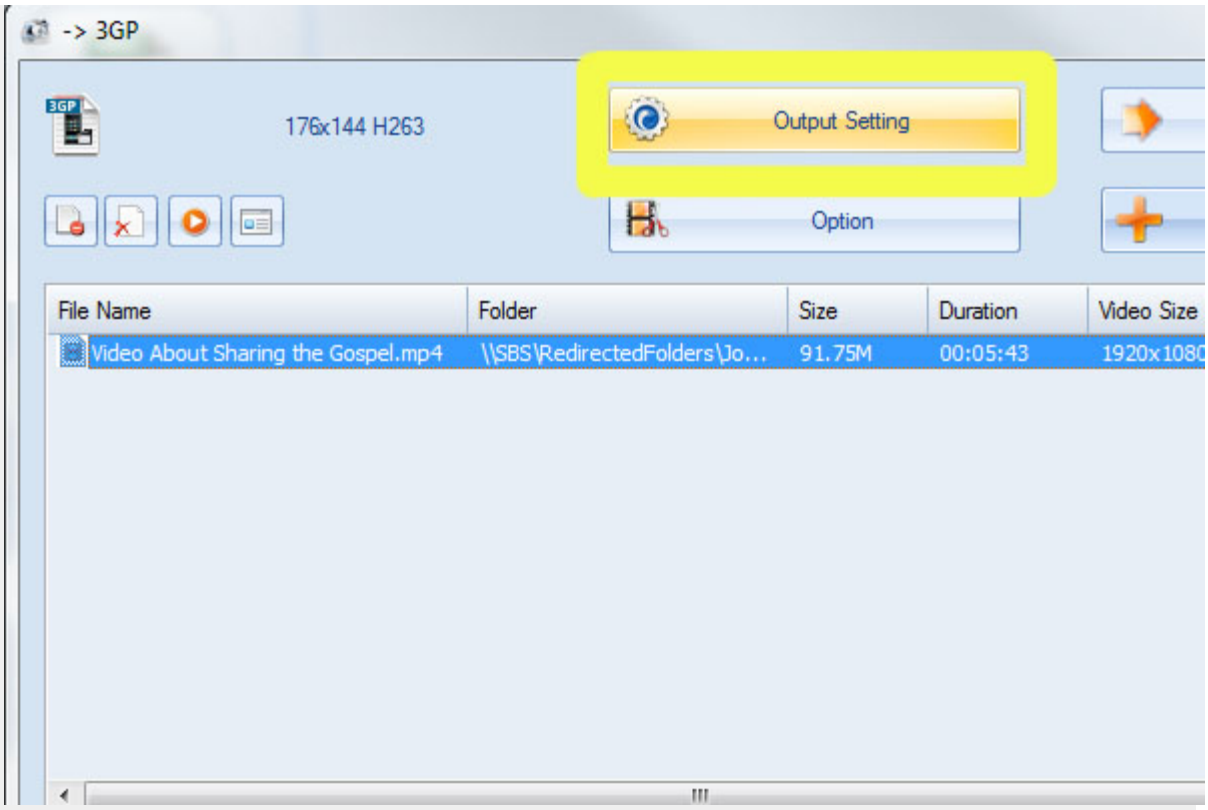
2. Click “Add File.”



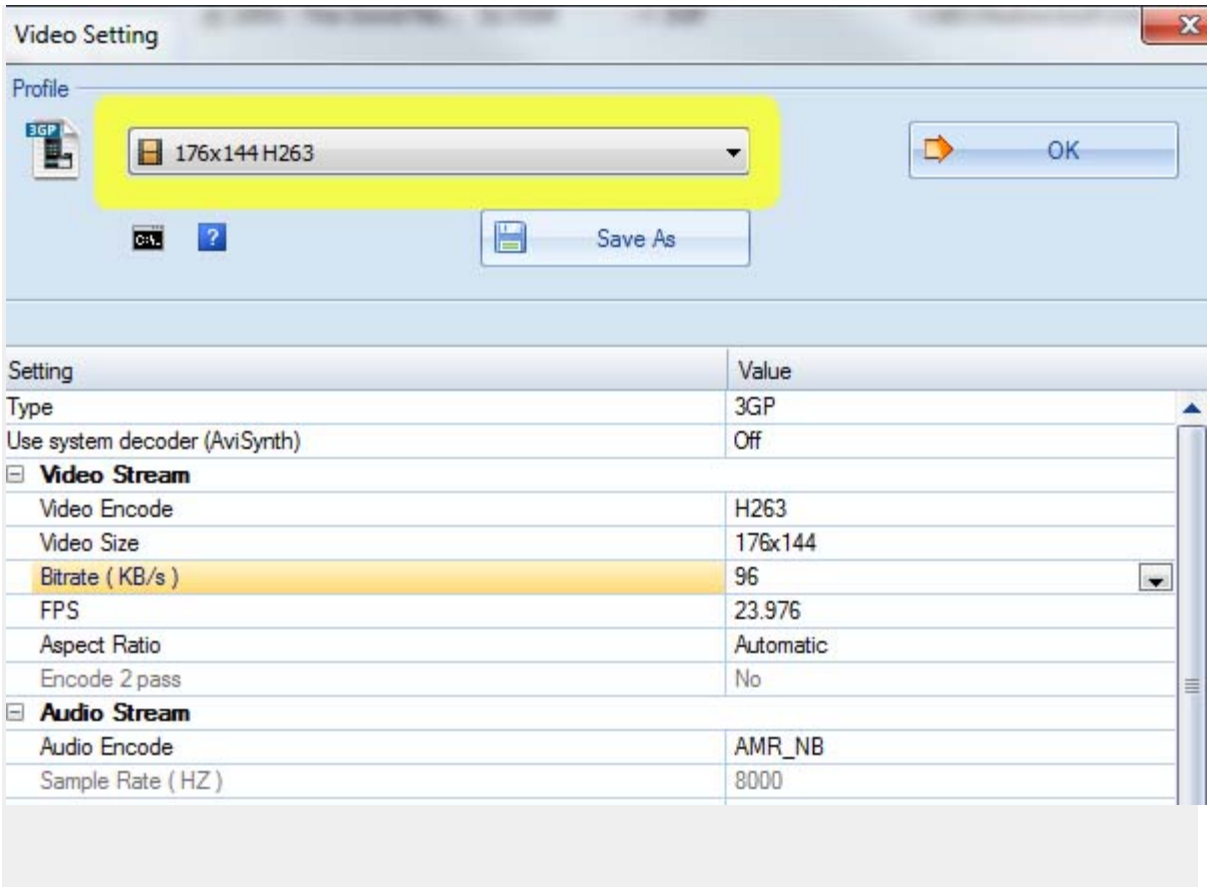
3. Navigate to where the video file that you want to convert is, click on the file, and then click “Open.” In our case, the video we want to convert was on our desktop.



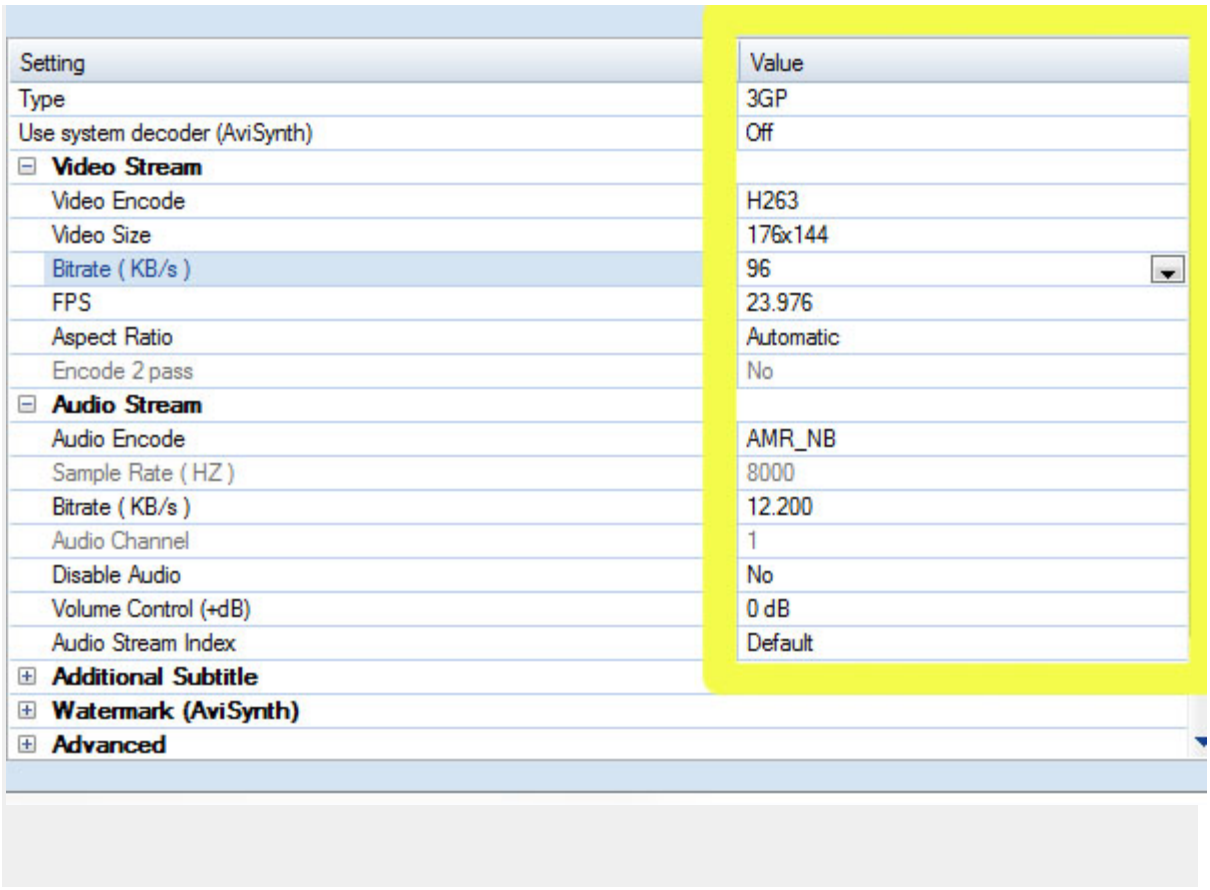
4. Click “Output Setting.”



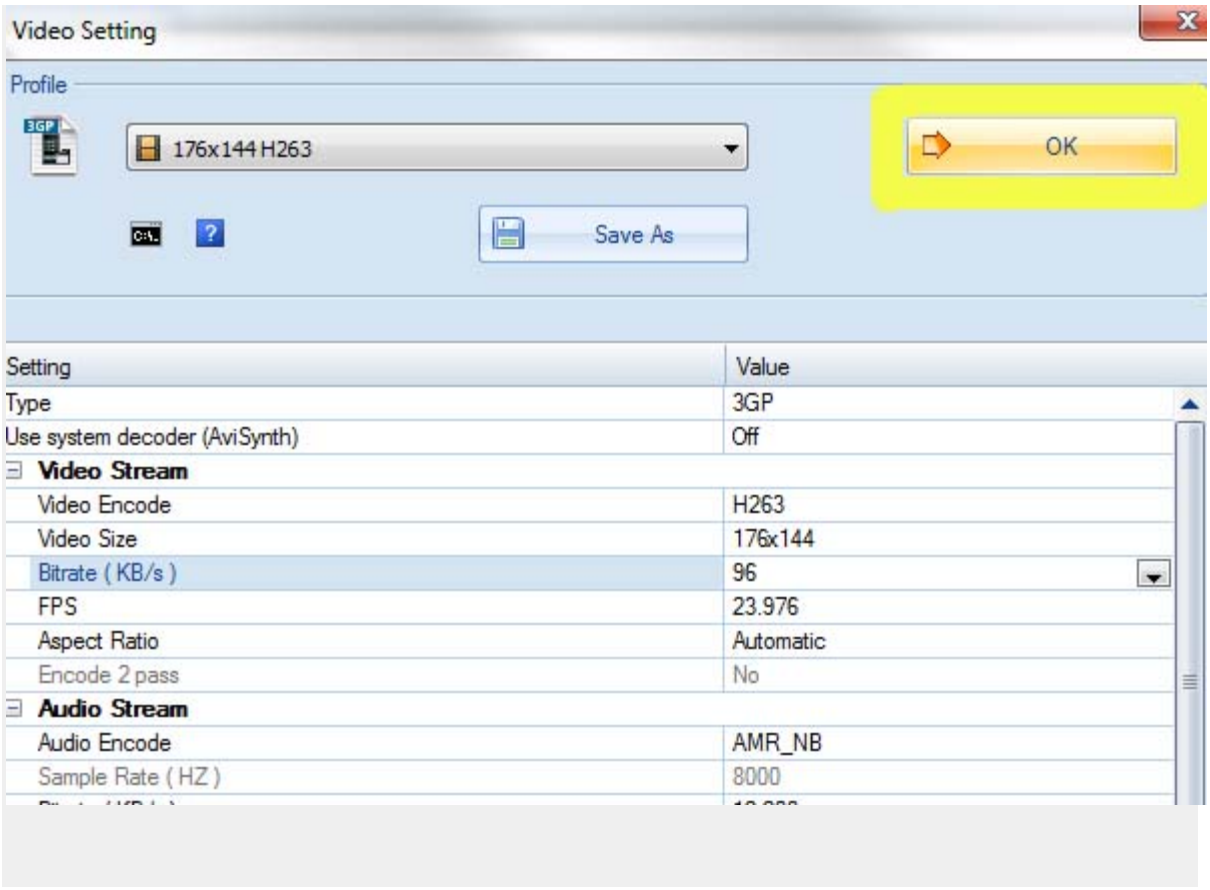
5. Make sure that the top drop down bar says “176×144 H263.”



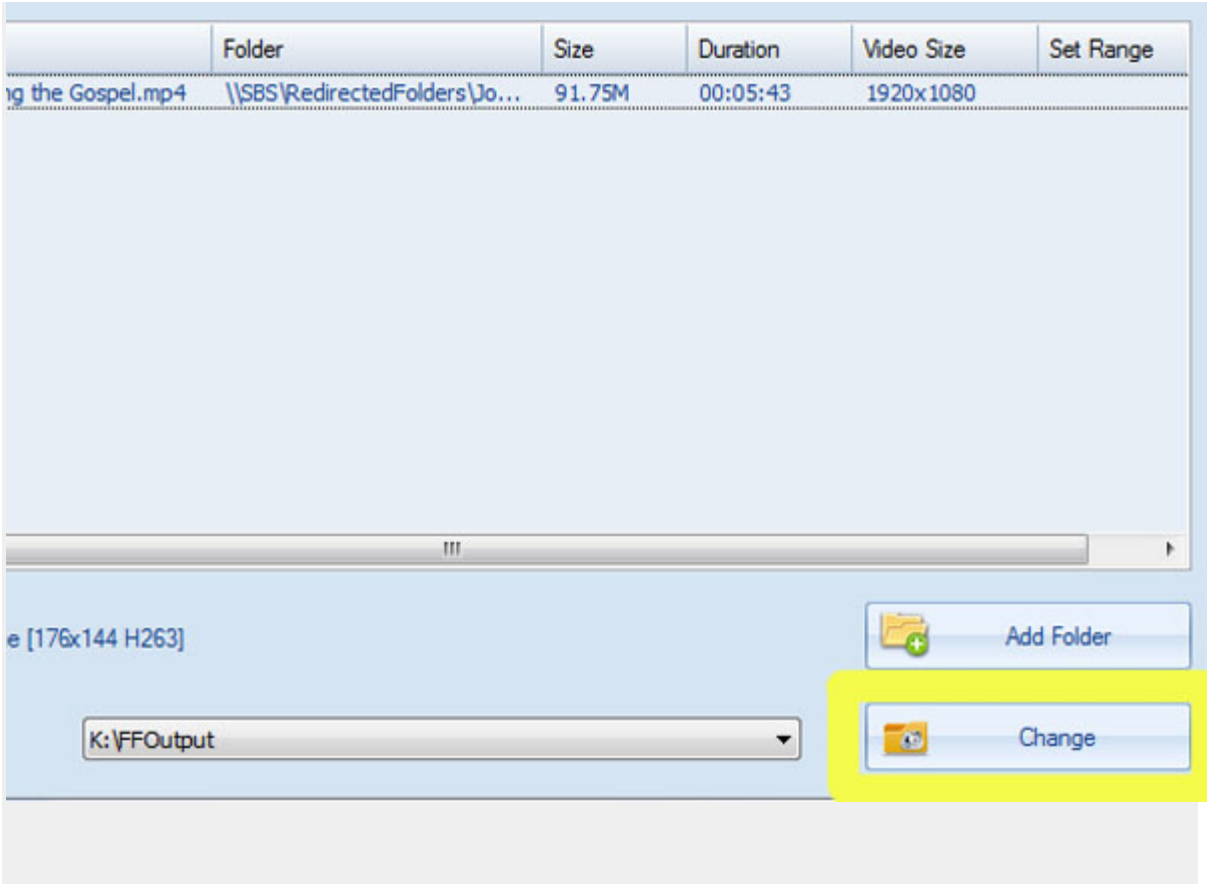
6. Change your video settings so that they are the same as in the picture below. **IMPORTANT NOTE:** If your video is longer than 10 minutes, increase the bitrate to 384. The lower bitrate of 96 is only for videos that are short enough to be Bluetoothed.


Setting
Value
Type
3GP
Use system decoder (AviSynth)
Off
Video Stream
Video Encode
H263
Video Size
176x144
Bitrate (KB/s)
96
FPS
23.976
Aspect Ratio
Automatic
Encode 2 pass
No
Audio Stream
Audio Encode
AMR_NB
Sample Rate (HZ)
8000
Bitrate (KB/s)
12.200
Audio Channel
1
Disable Audio
No
Volume Control (+dB)
0 dB
Audio Stream Index
Default
Additional Subtitle
Watermark (AviSynth)
Advanced

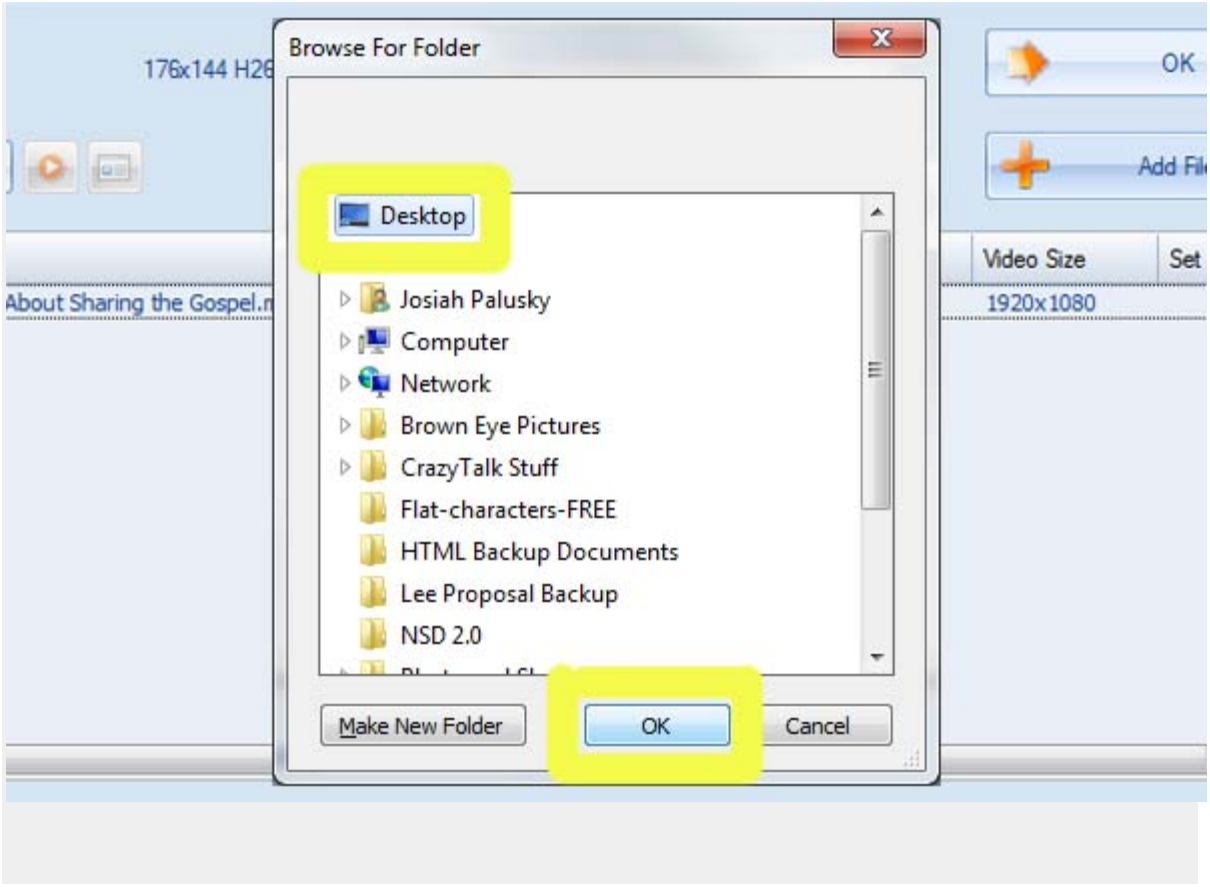
7. Click “OK.”



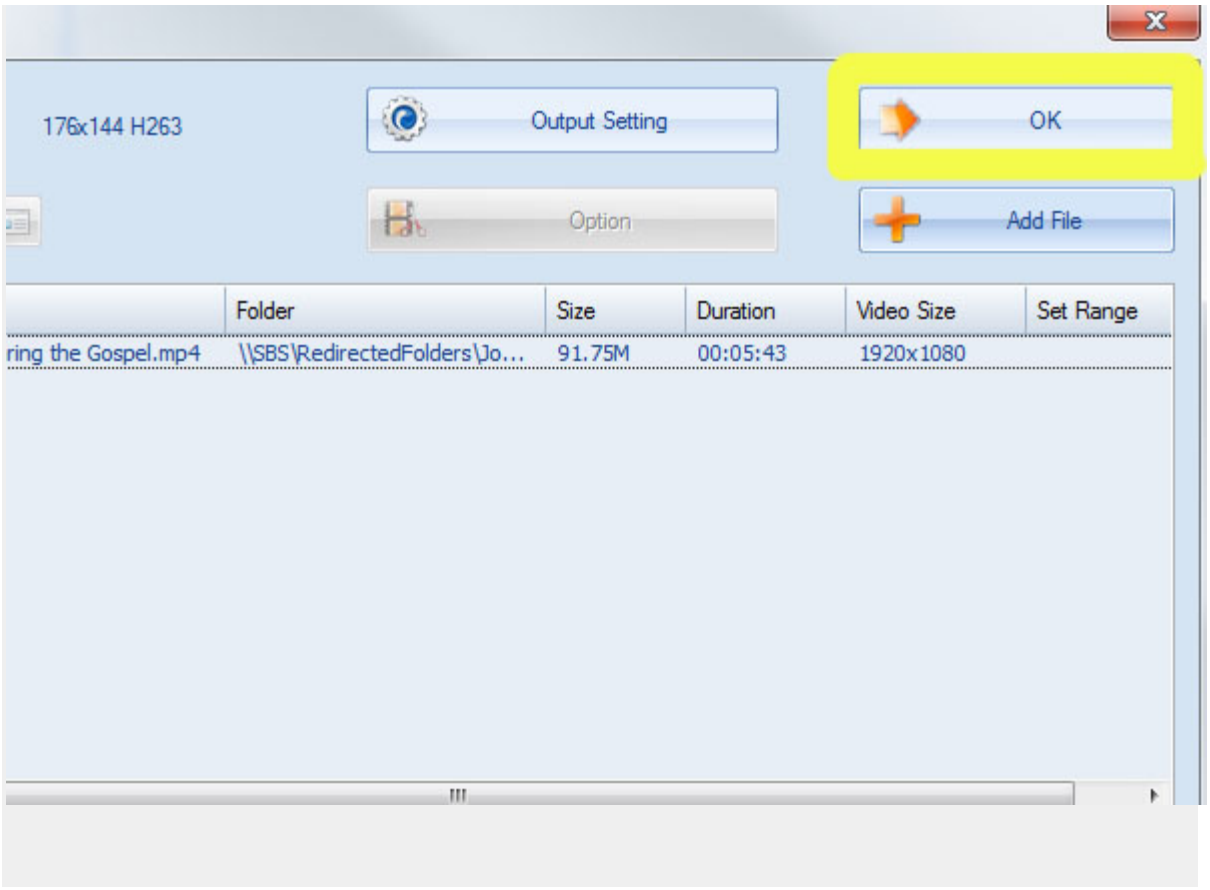
8. Click the “Change” button in the lower right hand corner of the window.



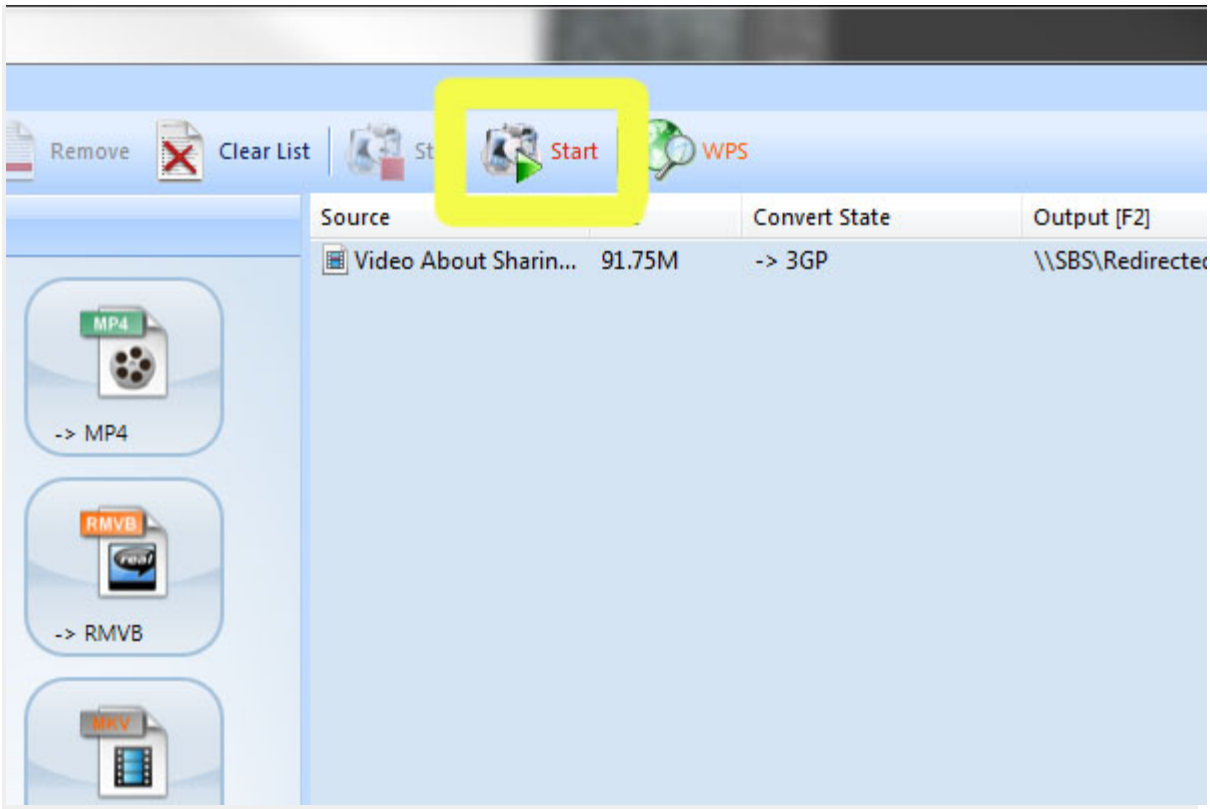
9. Select where you want to store your video that will be converted, and then click “OK.” In this case, we selected to store the video on the computer desktop.


Browse For Folder
Desktop
Josiah Palusky
Computer
Network
Brown Eye Pictures
CrazyTalk Stuff
Flat-characters-FREE
HTML Backup Documents
Lee Proposal Backup
NSD 2.0
Make New Folder
OK
Cancel
OK
Video Size
1920x1080

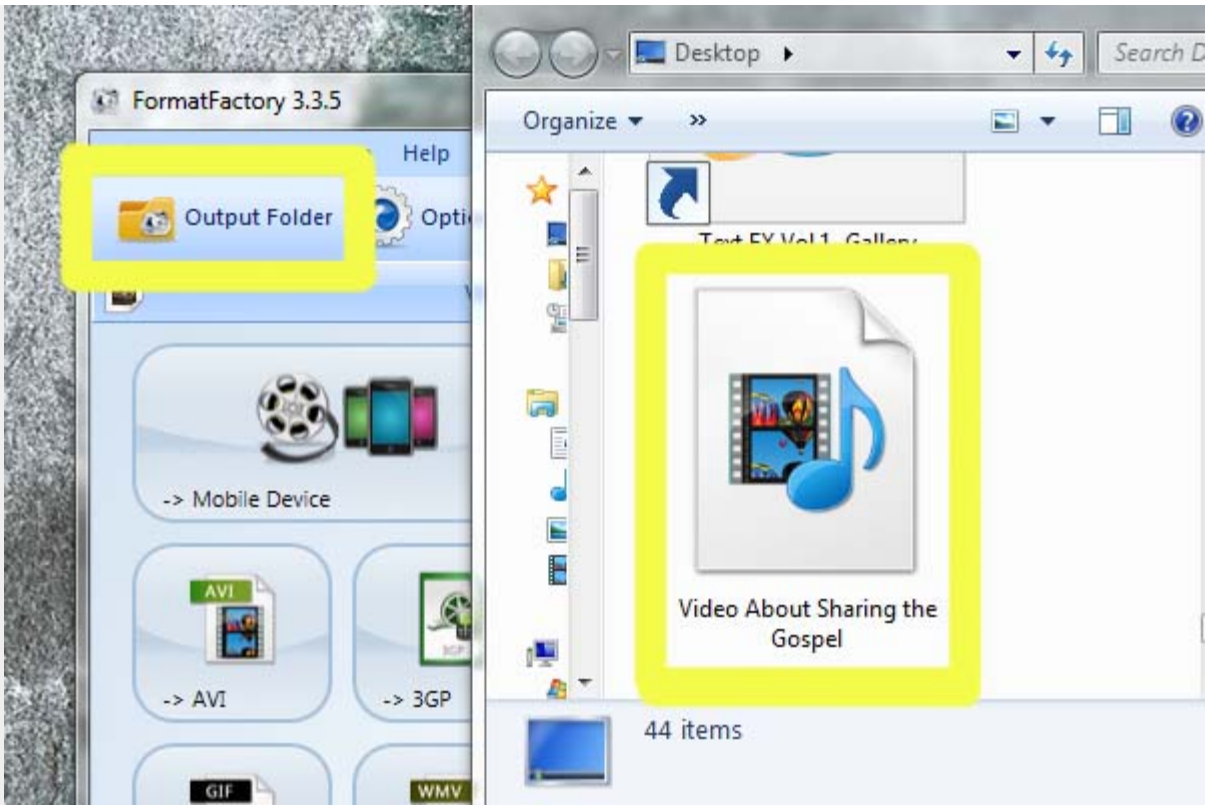
10. Click “OK.”



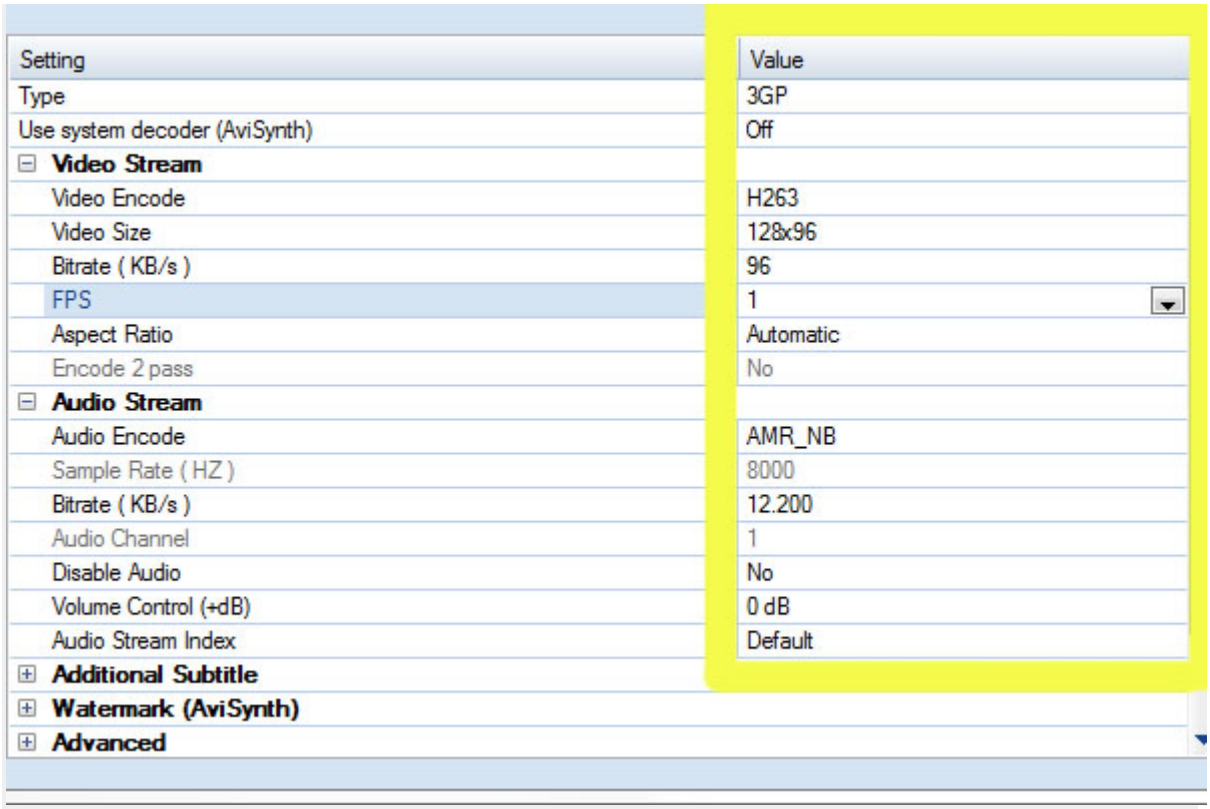
11. Click the “Start” button.



12. When the conversion is finished, click on the “Output Folder” button. You should be able to find your converted 3GP file in this folder. This file can now be played on a myriad of mobile phones.


FormatFactory 3.3.5
Help
Output Folder
-> Mobile Device
AVI
-> AVI
-> 3GP
GIF
WMV
Desktop
Search D
Organize
Video About Sharing the Gospel
44 items

13. Important note: Some video files, like the GRN good news presentation, are only slideshows with audio narration in the background. If you have a file like this, or the GRN good news video, you should use the settings from the picture below in FormatFactory. These settings will lead to a much, much smaller files size. The video will only have a single frame every second, making it appropriate for slideshows, but not optimal for other videos.

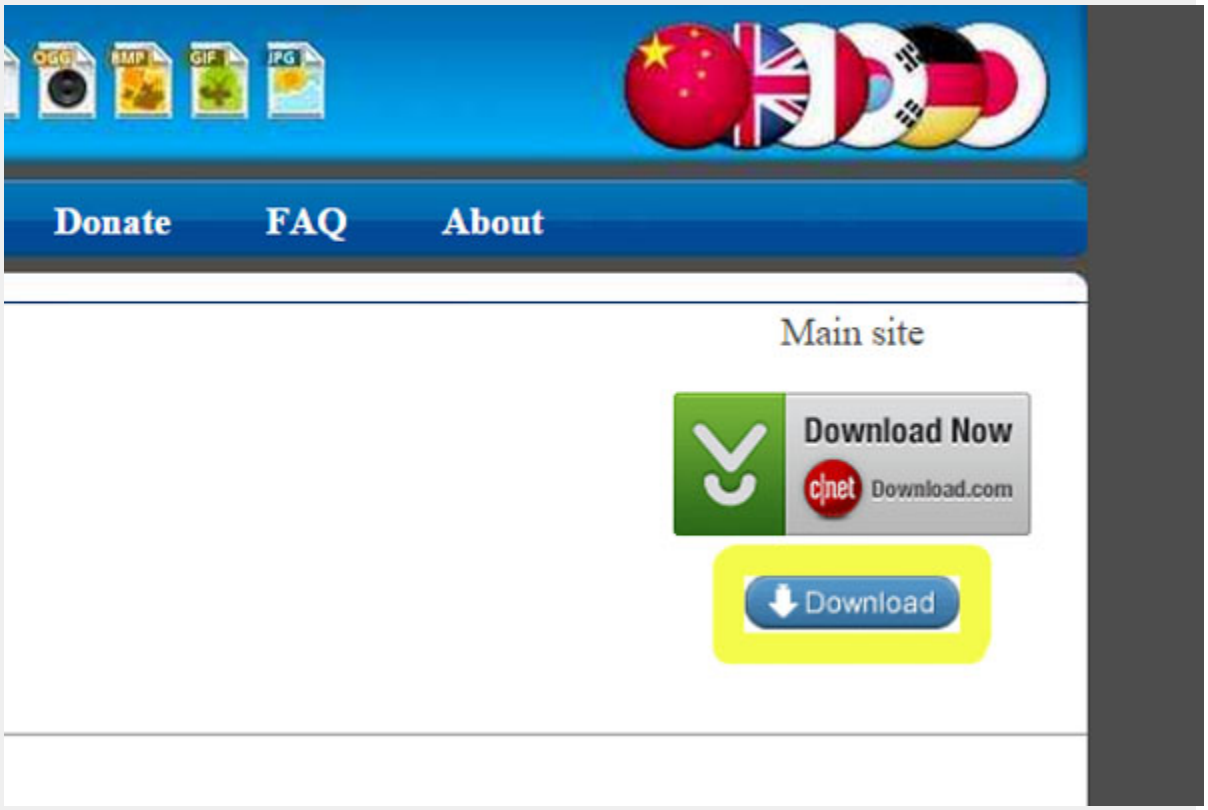


Setting	Value
Type	3GP
Use system decoder (AviSynth)	Off
Video Stream	
Video Encode	H263
Video Size	128x96
Bitrate (KB/s)	96
FPS	1
Aspect Ratio	Automatic
Encode 2 pass	No
Audio Stream	
Audio Encode	AMR_NB
Sample Rate (HZ)	8000
Bitrate (KB/s)	12.200
Audio Channel	1
Disable Audio	No
Volume Control (+dB)	0 dB
Audio Stream Index	Default
Additional Subtitle	
Watermark (AviSynth)	
Advanced	

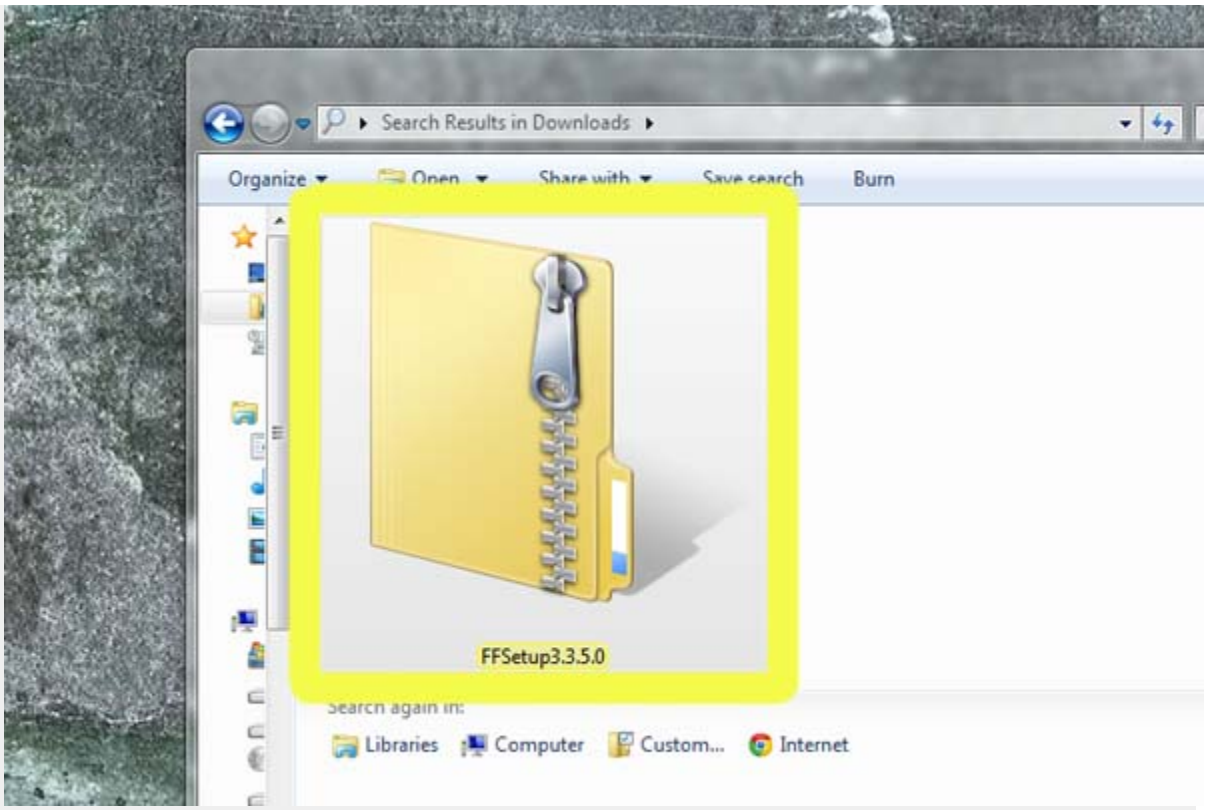
Converting Audio

Section 1 – Downloading FormatFactory:

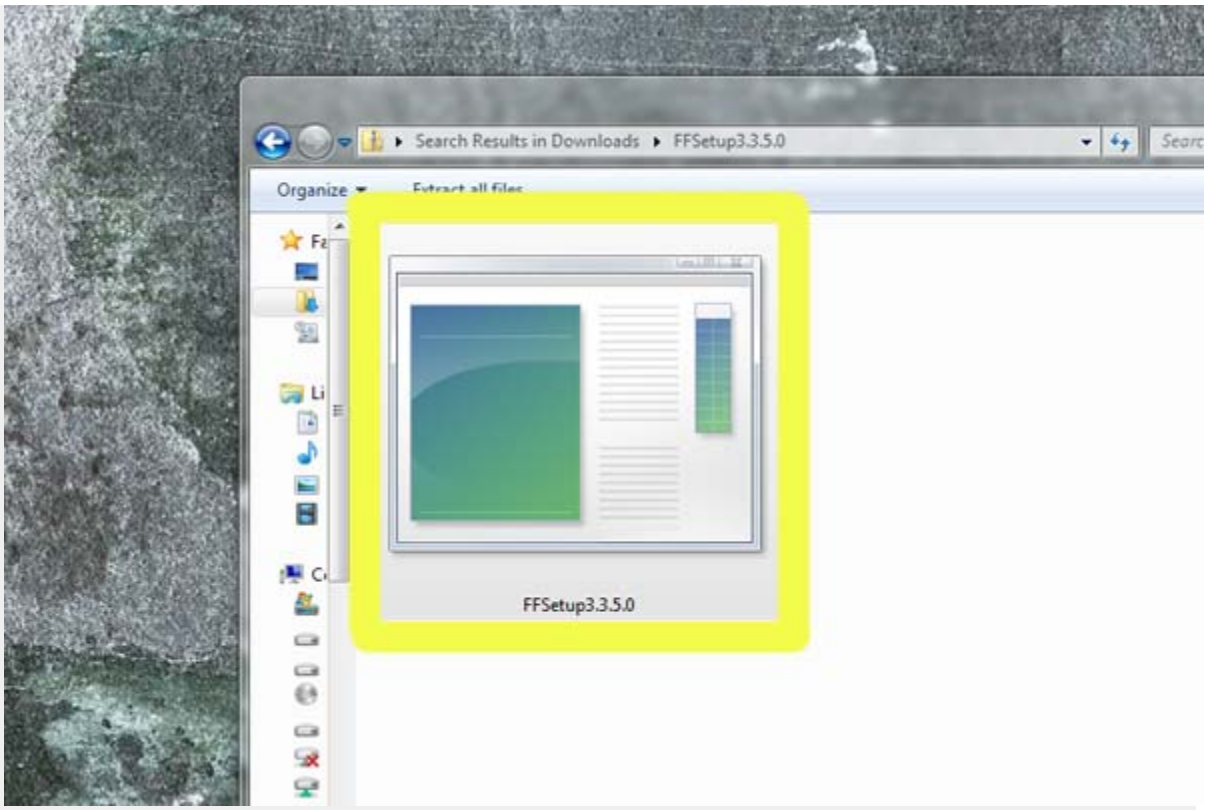
2. First, we need to download and install FormatFactory. In a new browser window, navigate to pcfreetime.com/download. Or download the FormatFactory install file from the OM SharePoint site Media Content Library/Application Content from the folder appropriate for your device. Note: if you have already installed the FormatFactory application skip to Section 2.



3. After a while, your downloads will complete. Navigate to your downloads folder. A zipped folder called FFSetup will be in your downloads folder. Open up this folder (you don't need to unzip it).



4. Click on the file that the folder contains. This will begin the installation process.

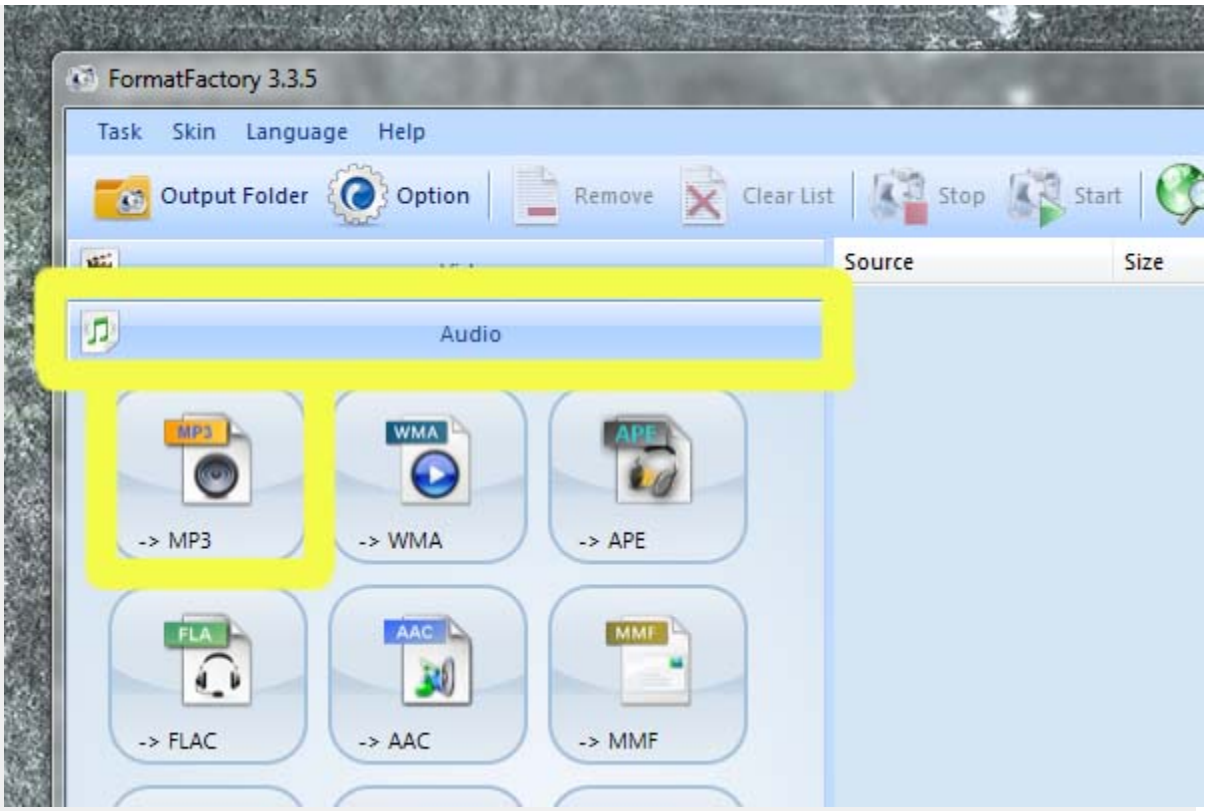


5. Continue through the installation process as you would with any other software. When you are prompted to install Ask.com software, uncheck the two check boxes and press next. When you are prompted to install software other than FormatFactory, click “Decline.”

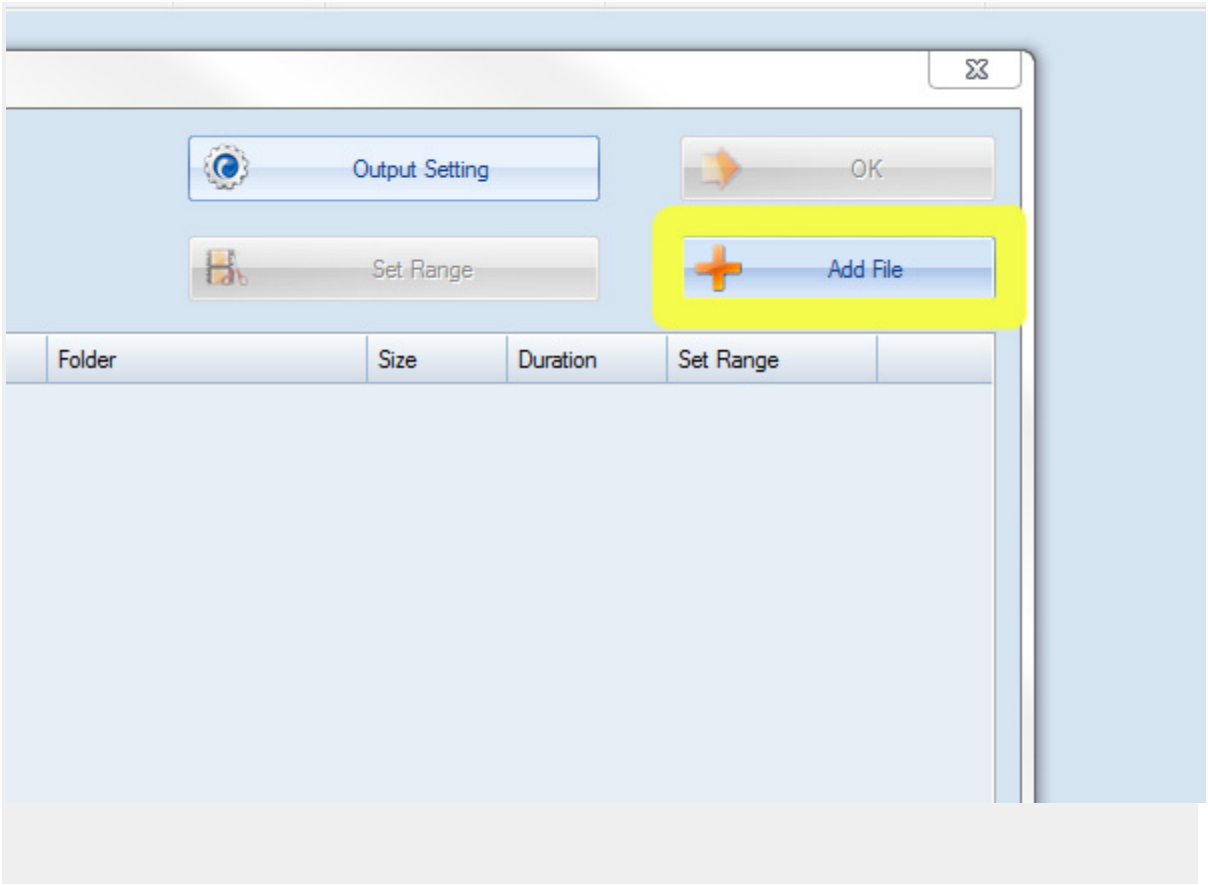
FormatFactory Setup
Recommended Offer
t and keep Ask as my default search provider
t and keep Ask.com as my browser home page and new tabs page
Installs on
king "Next" and installing this application you agree to the End User License Agreement
and Privacy Policy. The Search App by Ask is a product of APN, LLC.
Next
Cancel
HotspotShield
By AnchorFree, Inc.
By clicking "Accept" and installing the Hotspot Shield application you agree to the
Anchorfree, Inc. End User License Agreement and Privacy Policy.
Accept
Decline

Section 2 – Converting From Audio File:

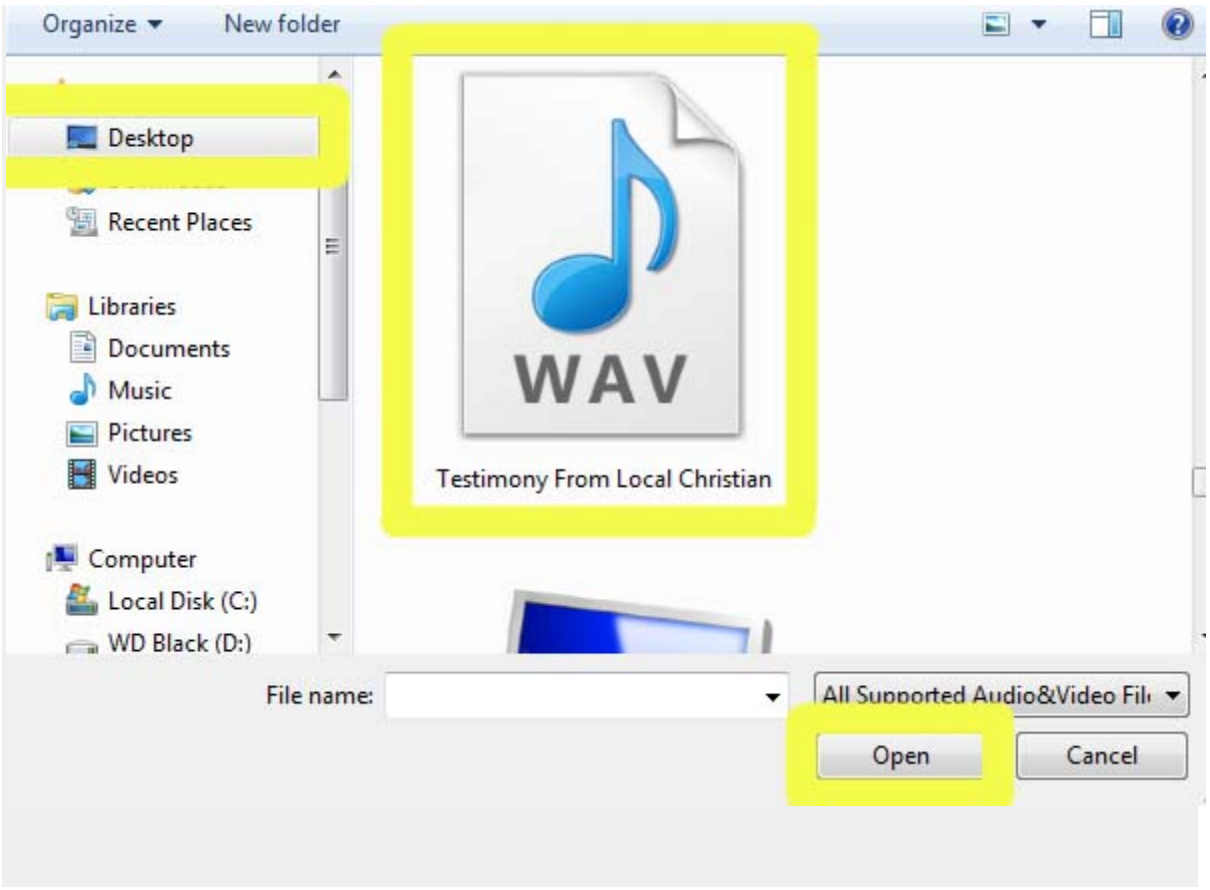
1. Open up FormatFactory once it is installed. Click on the “Audio” tab, and then click “-> MP3.”



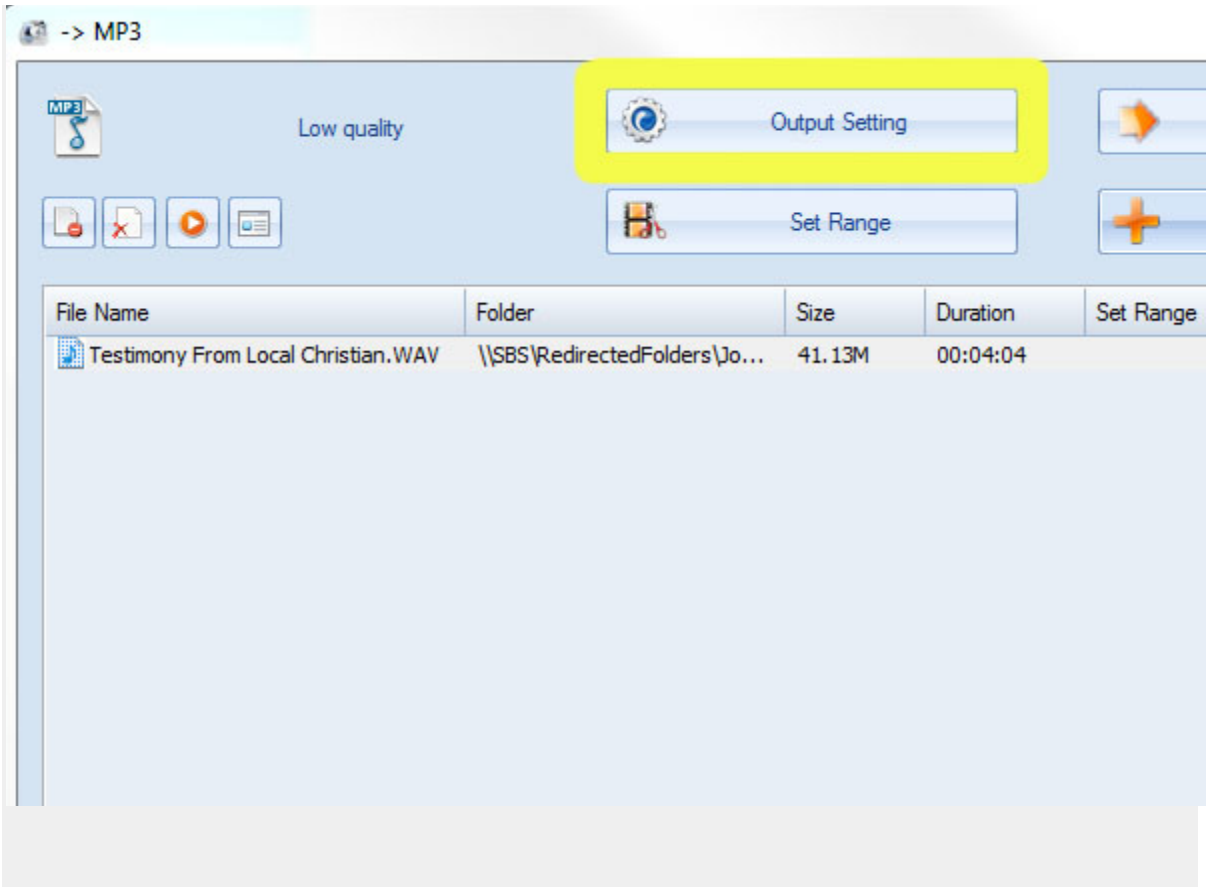
2. Click “Add File.”



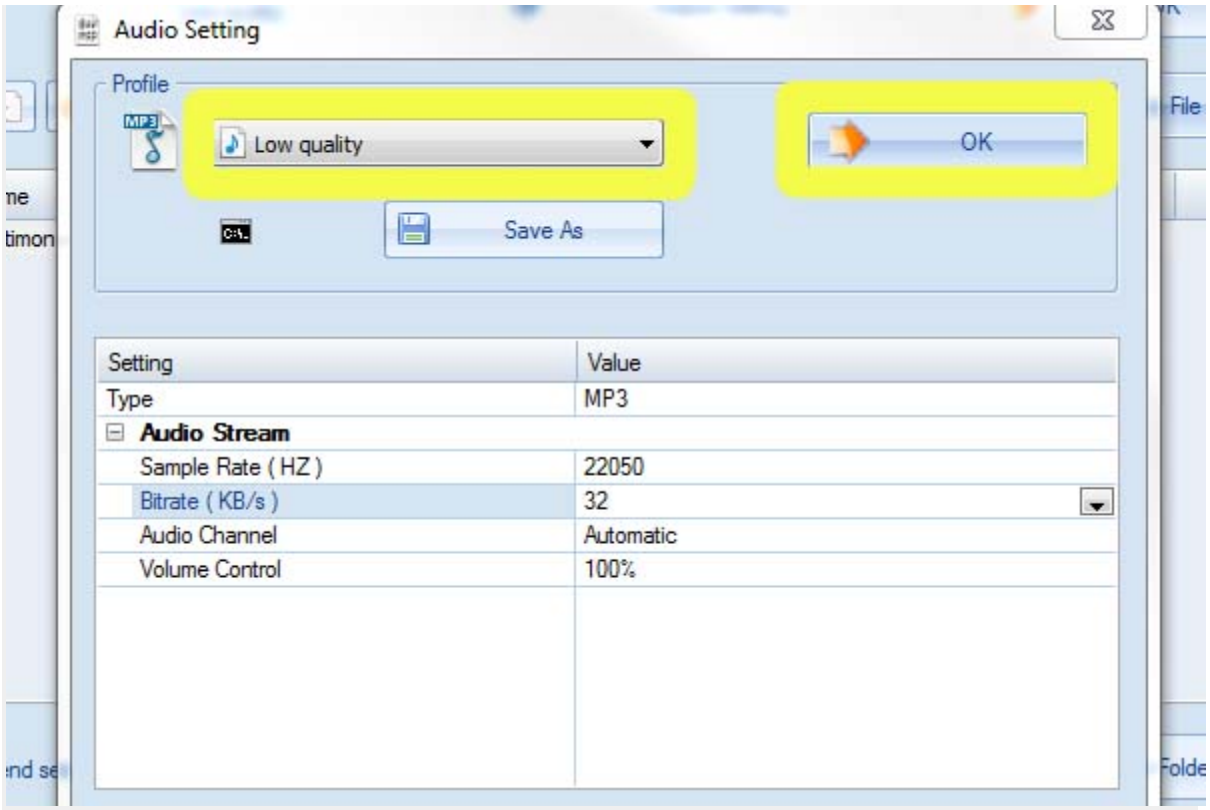
3. Navigate to where the audio file is that you want to convert to MP3. In this case, our file is on our computer desktop. Select the file, and click “Open.”



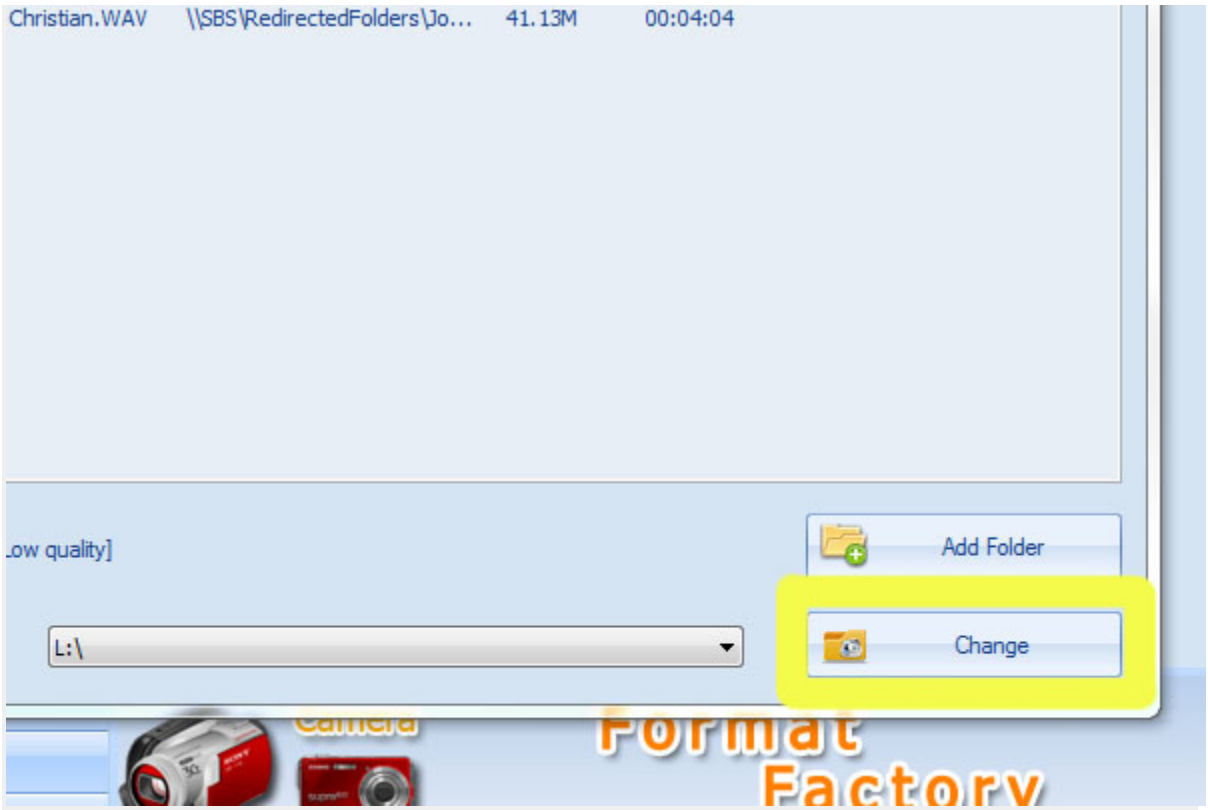
4. Click “Output Setting.”



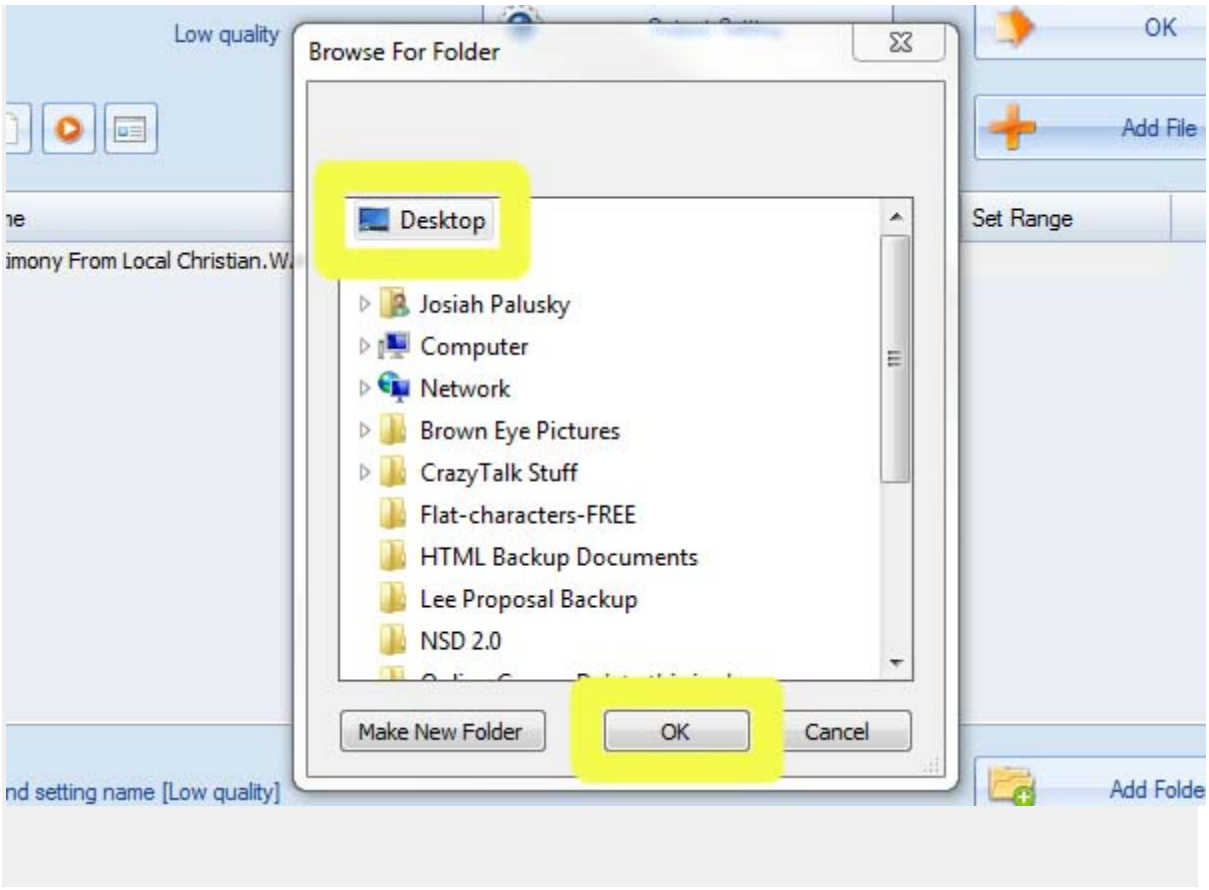
5. In the drop down bar select “Low quality,” and then “OK.” Note: If you want higher quality audio, select “Medium quality” or “High quality” from the drop down bar. Remember that this will make the size of your audio file larger. Smaller file sizes are better when distributing files to basic mobile phones.



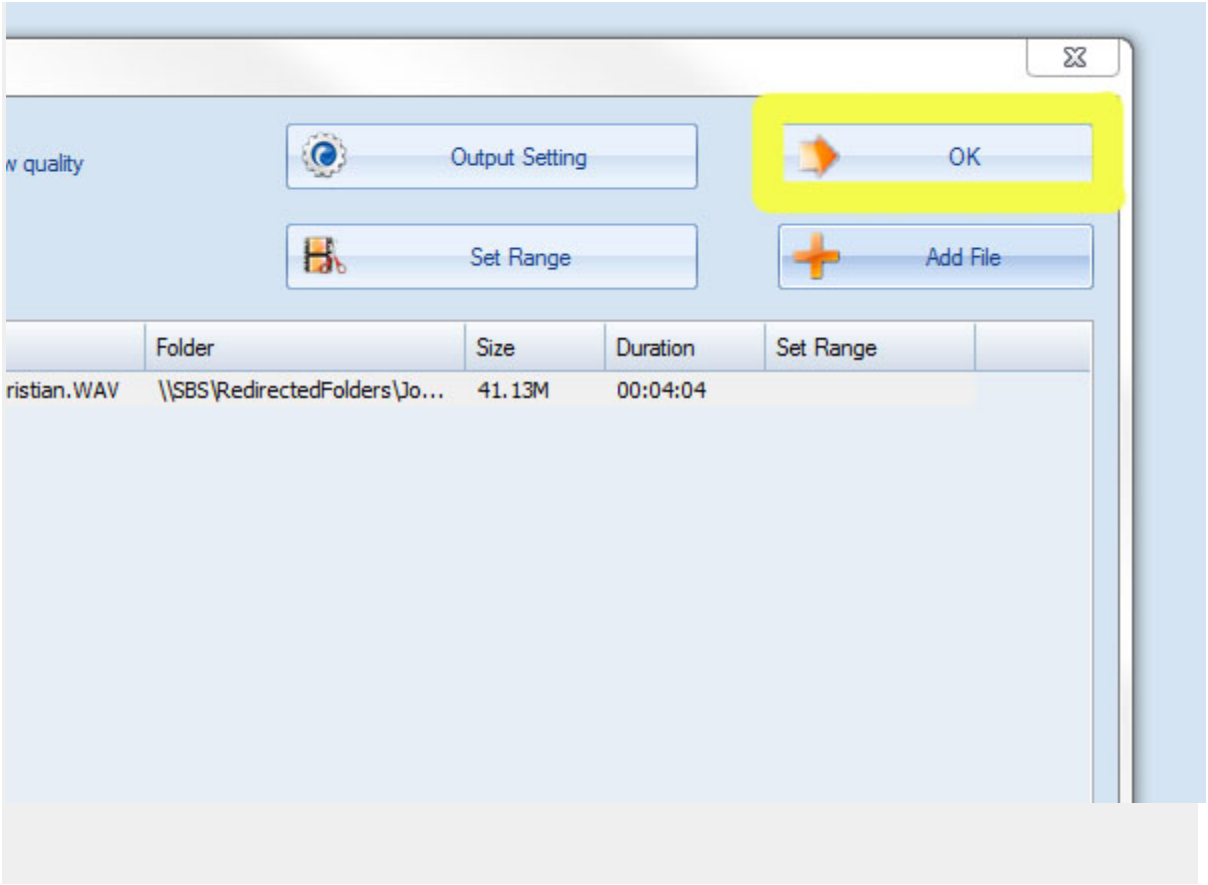
6. Click “Change.”



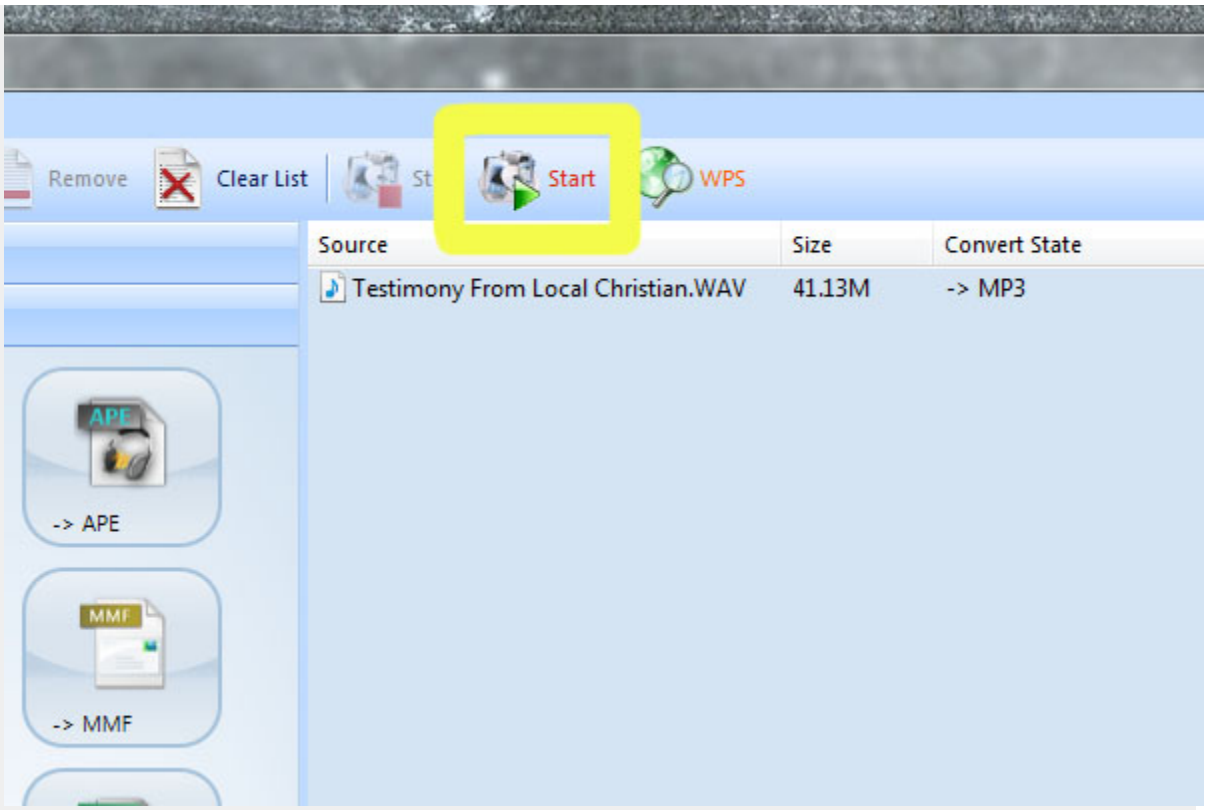
7. Navigate to where you want to store your file, and click “OK.”


Low quality
OK
Add File
Set Range
imony From Local Christian.W
nd setting name [Low quality]
Add Folde
Browse For Folder
Desktop
Josiah Palusky
Computer
Network
Brown Eye Pictures
CrazyTalk Stuff
Flat-characters-FREE
HTML Backup Documents
Lee Proposal Backup
NSD 2.0
Make New Folder
OK
Cancel

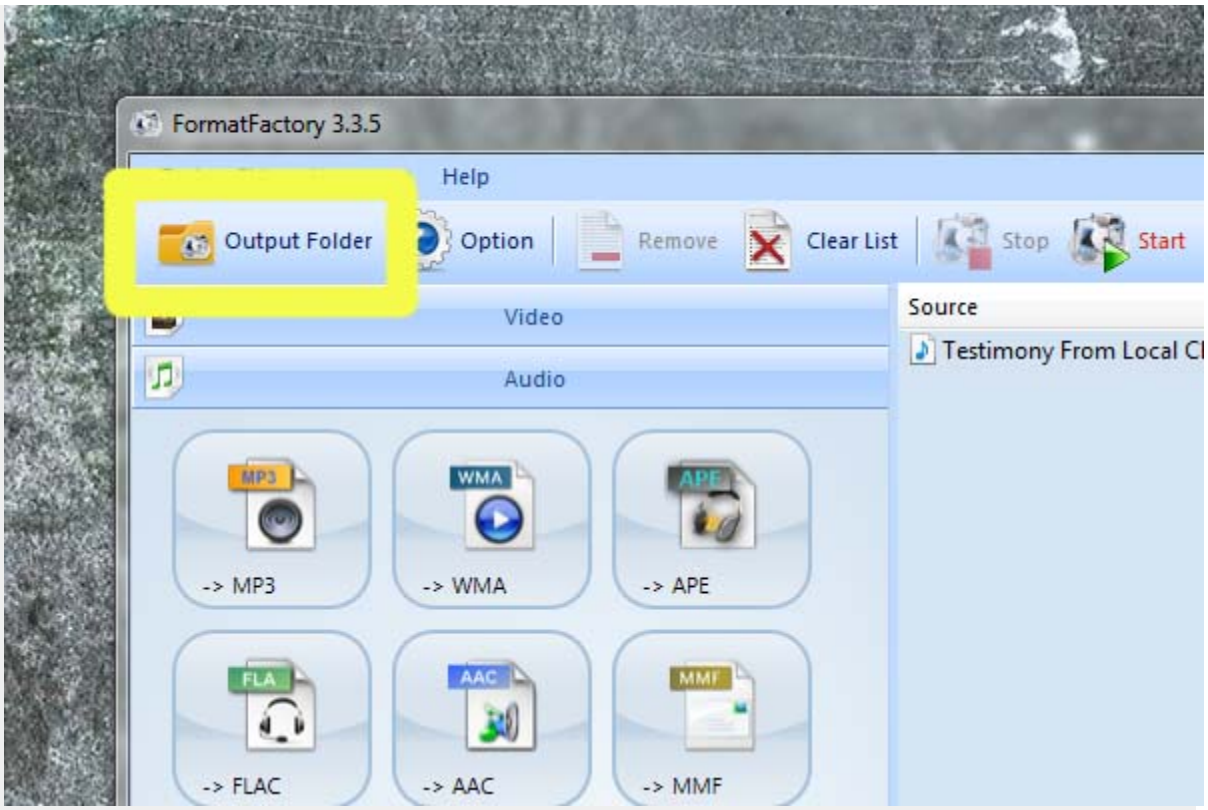
8. Click “OK.”



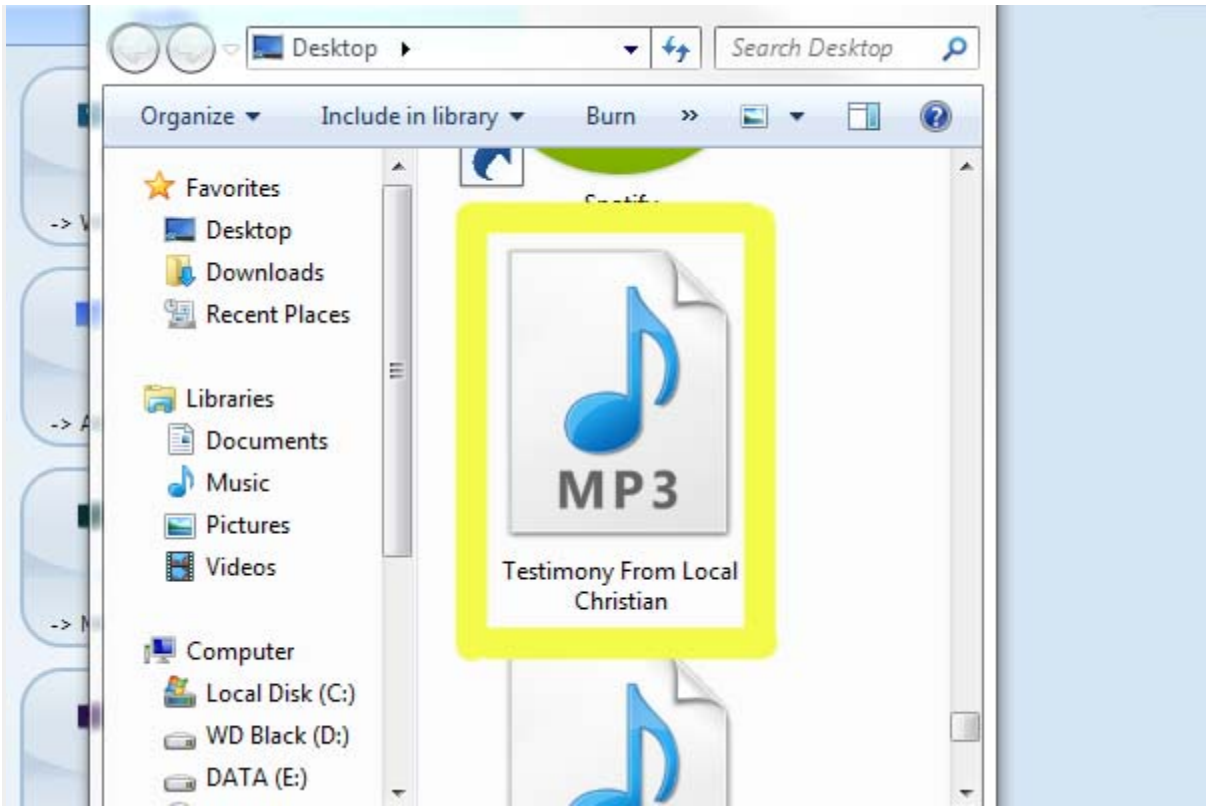
9. Click “Start.”



10. Once the conversion is finished, click the “Output Folder” button.



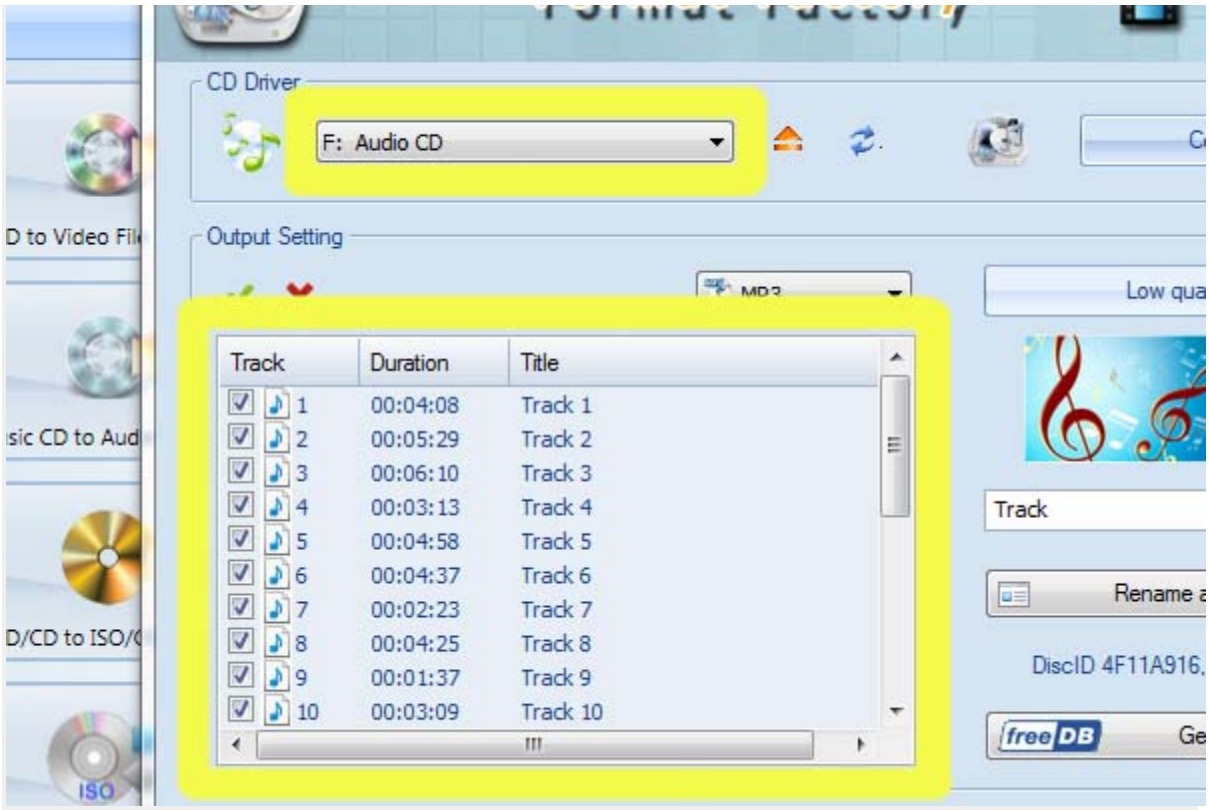
11. You will see your newly converted MP3 file in your output folder.


Desktop
Search Desktop
Organize
Include in library
Burn
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
WD Black (D:)
DATA (E:)
MP3
Testimony From Local Christian

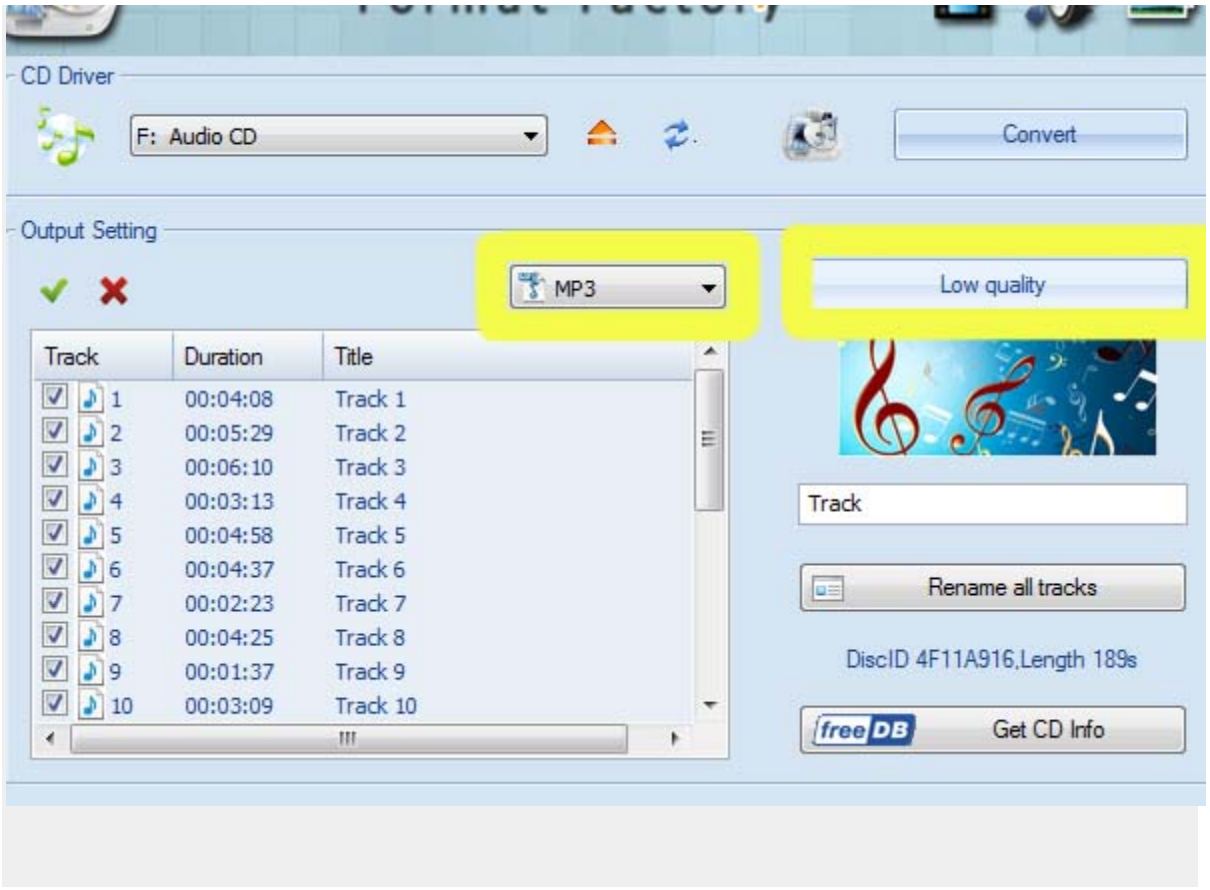
Section 3 – Converting From Audio CD:

1. Put your audio CD into your computer CD or DVD drive. Open FormatFactory, click the “ROM Device\DVD\CD\ISO” tab. Then, click the “Music CD to Audio File” button.

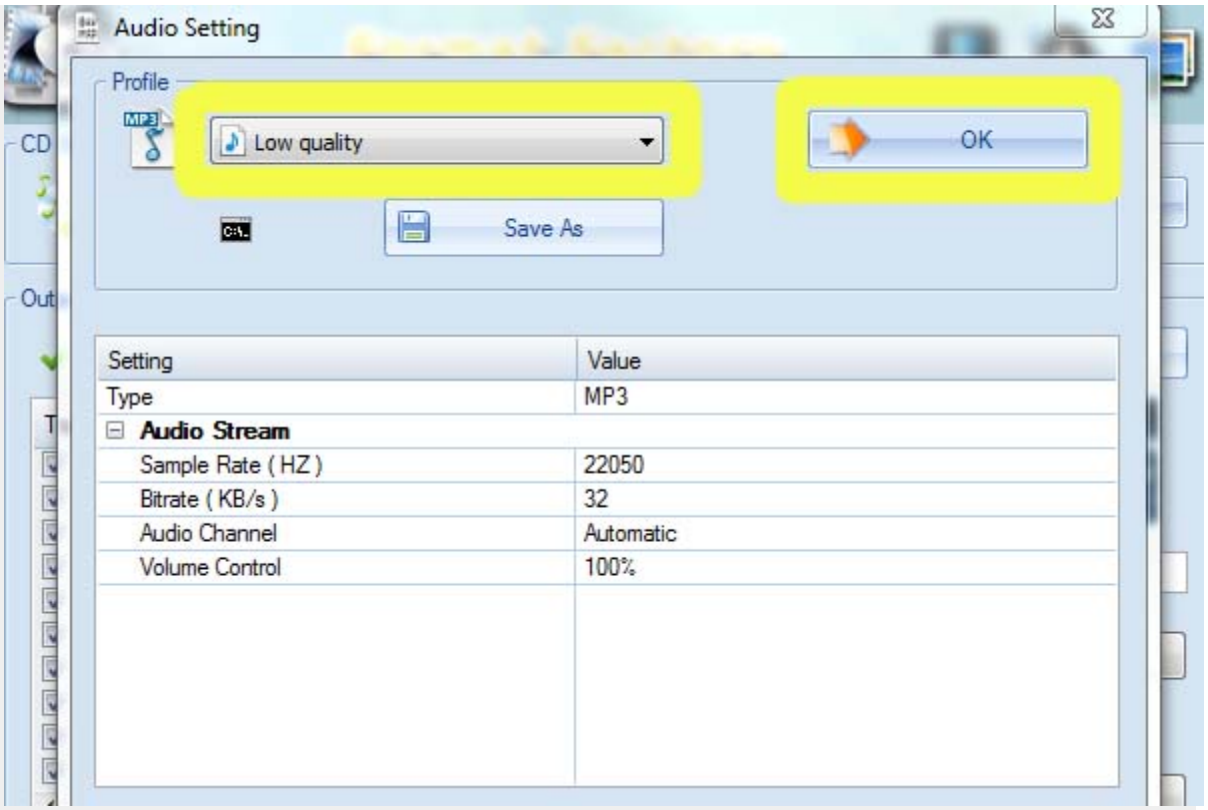
2. Make sure that your CD is selected under the “CD Driver” (it should select the CD automatically). In the box below, check the audio tracks that you want to convert.



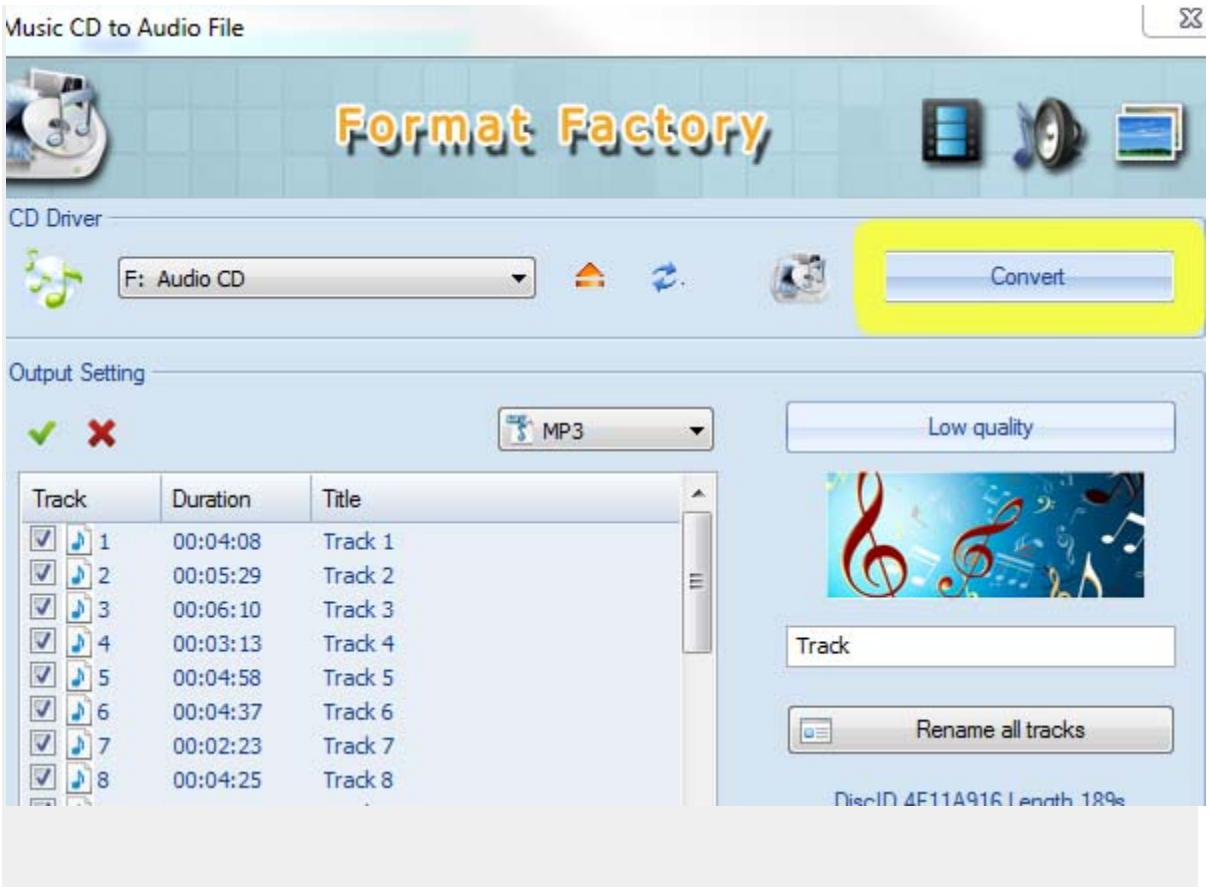
3. In the drop down bar in the middle of the screen, make sure that “MP3″ is selected. Then, click on the “quality” button to the right of the drop down bar.



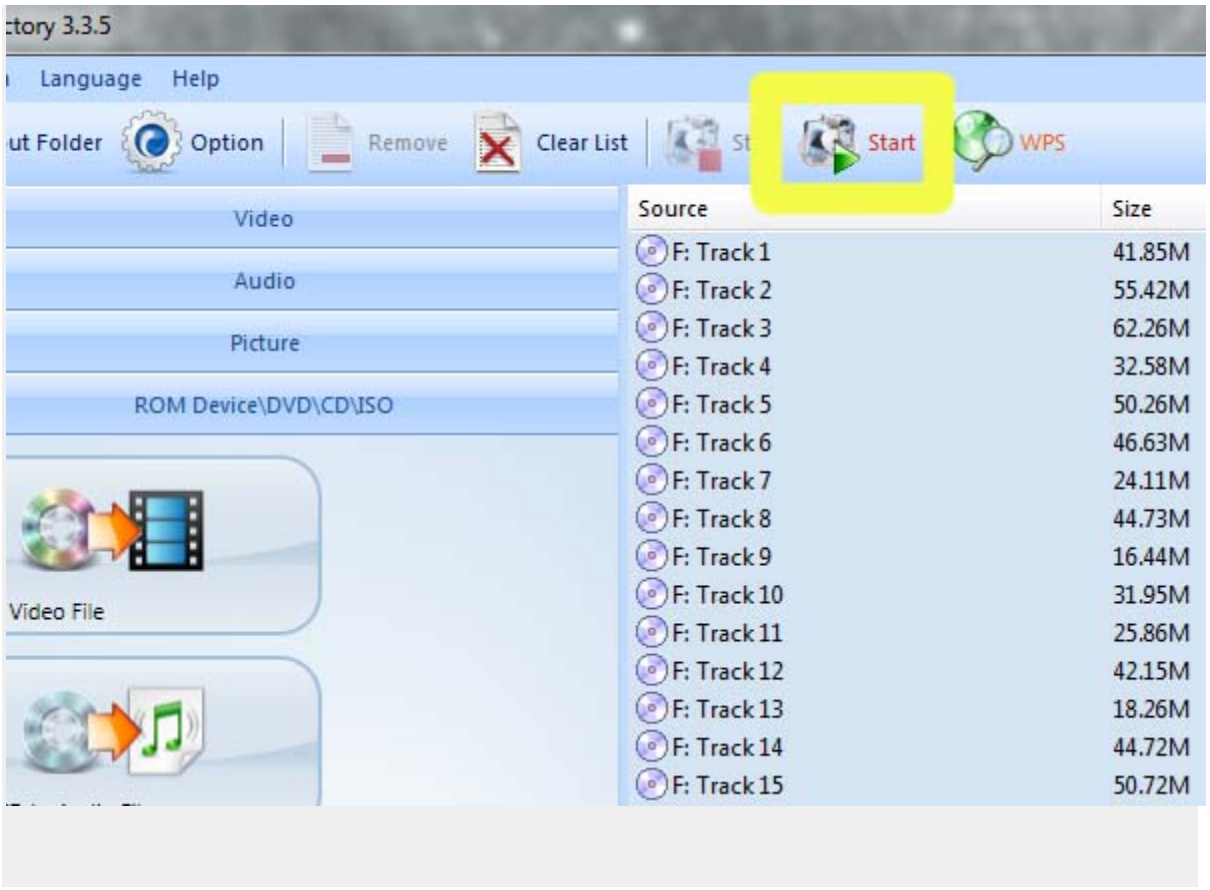
4. Select “Low quality” in the main drop down bar and click “OK.” Note: If you want higher quality audio, select “Medium quality” or “High quality” from the drop down bar. Remember that this will make the size of your audio file larger. Smaller file sizes are better when distributing files to basic mobile phones.



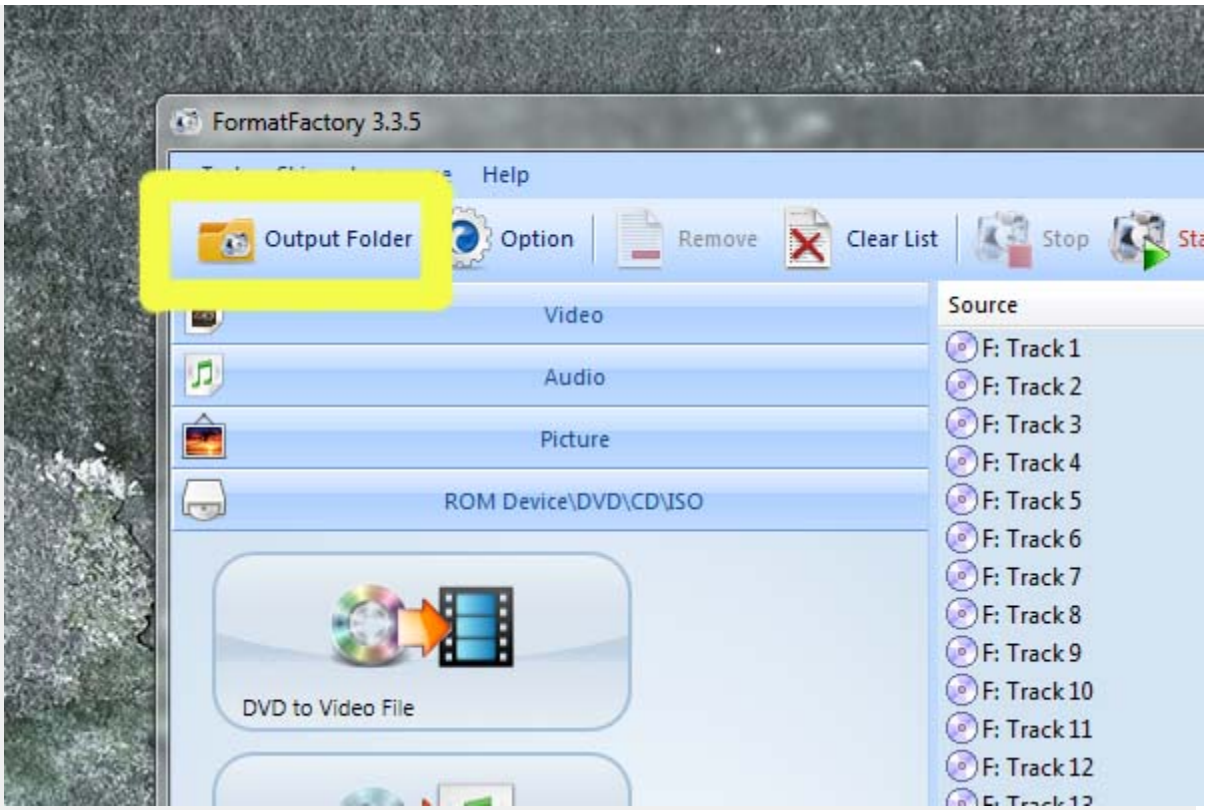
5. Click “Convert.”



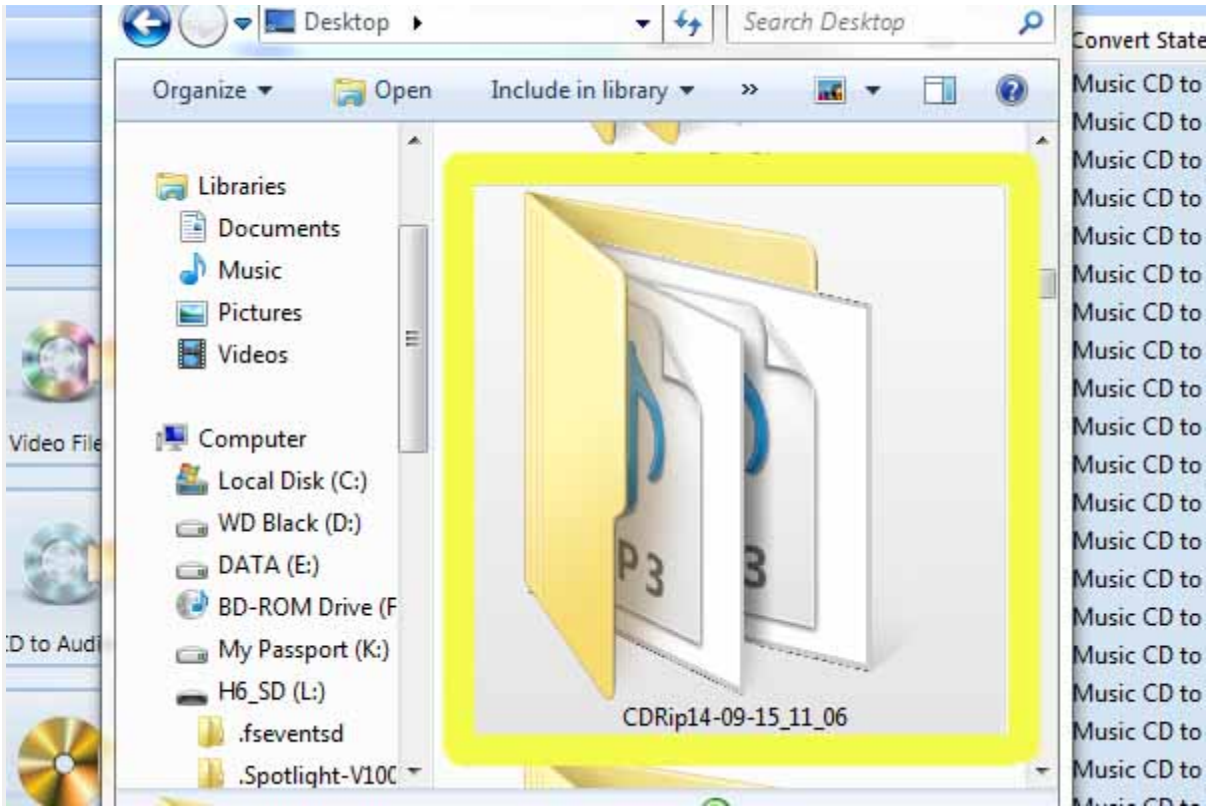
6. Click “Start.”



7. When the conversion is finished, click the “Ouput Folder” button.



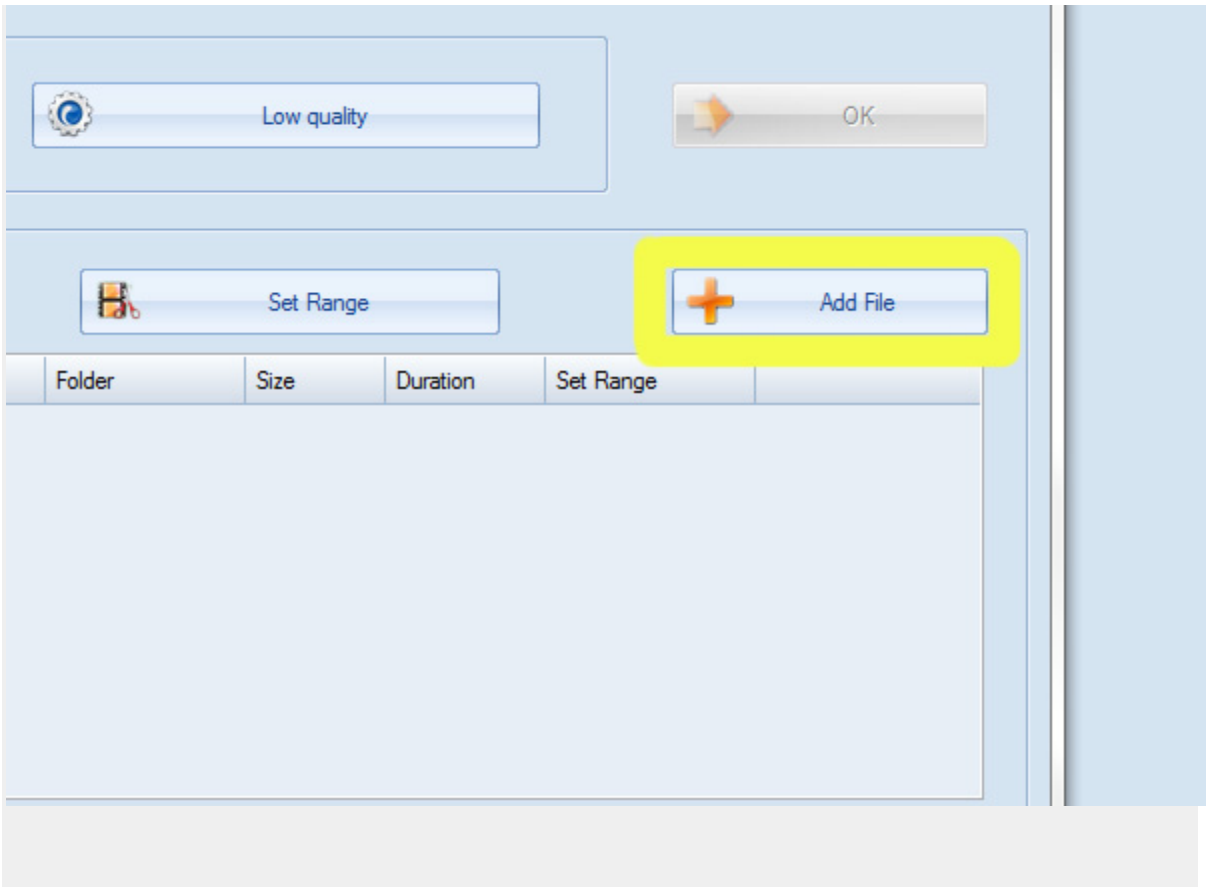
8. Your converted audio files will be inside of a folder in your output folder.


Desktop
Search Desktop
Organize
Open
Include in library
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
WD Black (D:)
DATA (E:)
BD-ROM Drive (F
My Passport (K:)
H6_SD (L:)
.fseventsd
.Spotlight-V10
CDRip14-09-15_11_06
Convert State
Music CD to

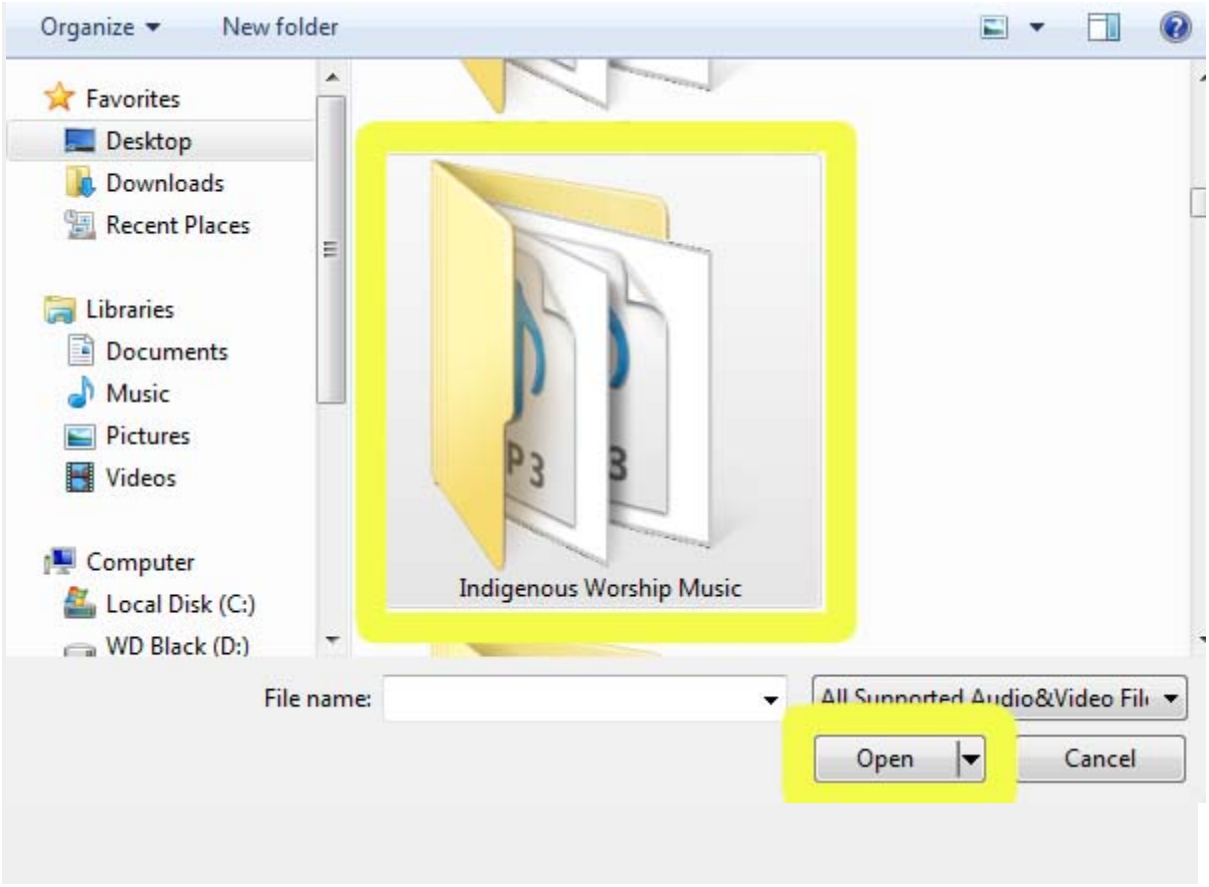
Section 4 – Joining Audio Files:

1. Open up FormatFactory, click the “Advanced” tab, and then click “Audio Joiner.”

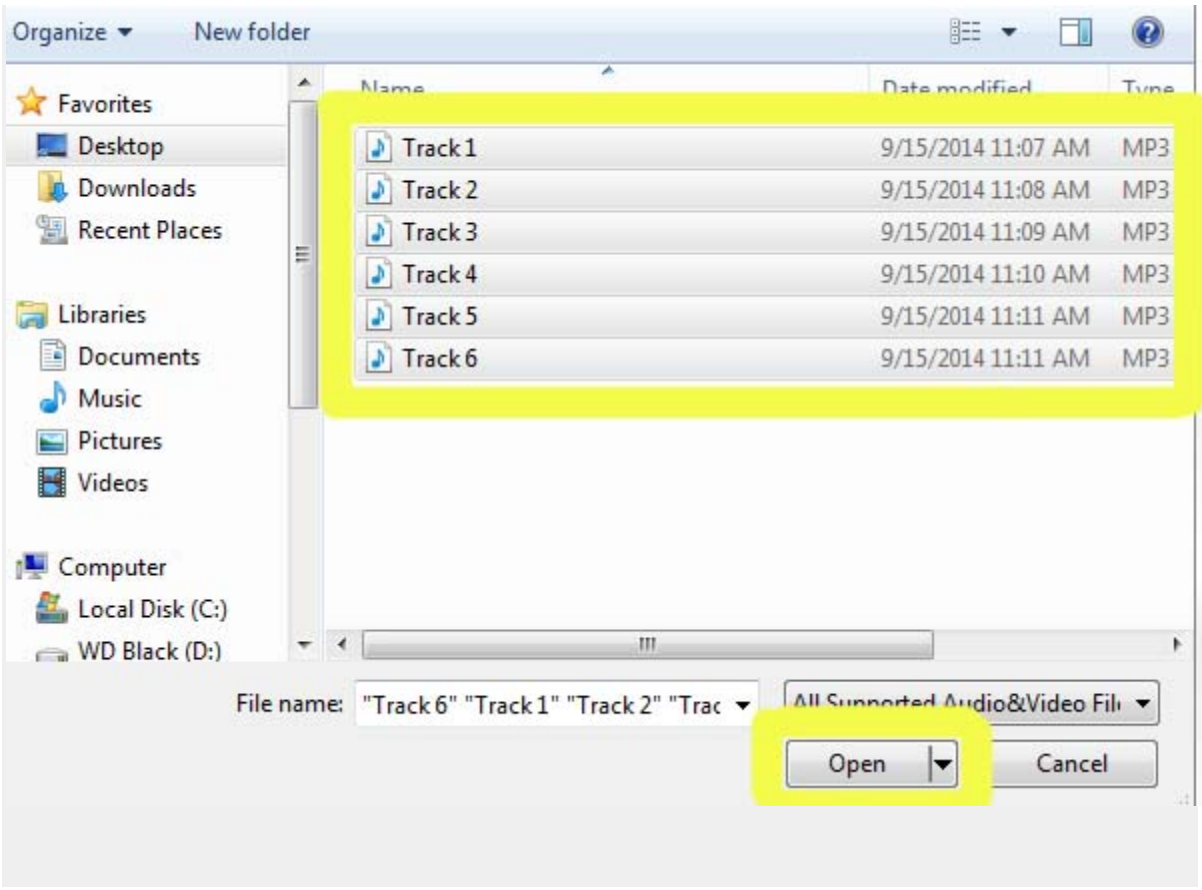
2. Click “Add file.”



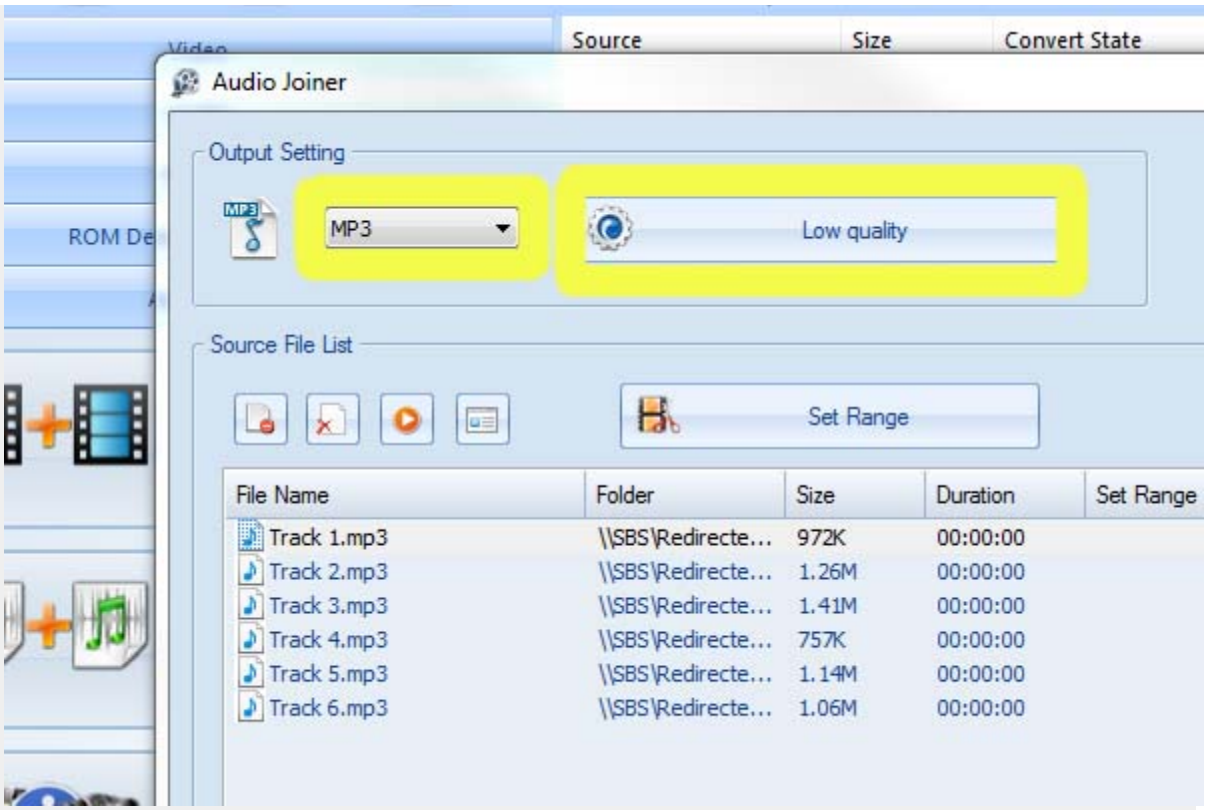
3. Navigate to the folder containing the audio files that you want to combine. Select the folder, and click "Open."



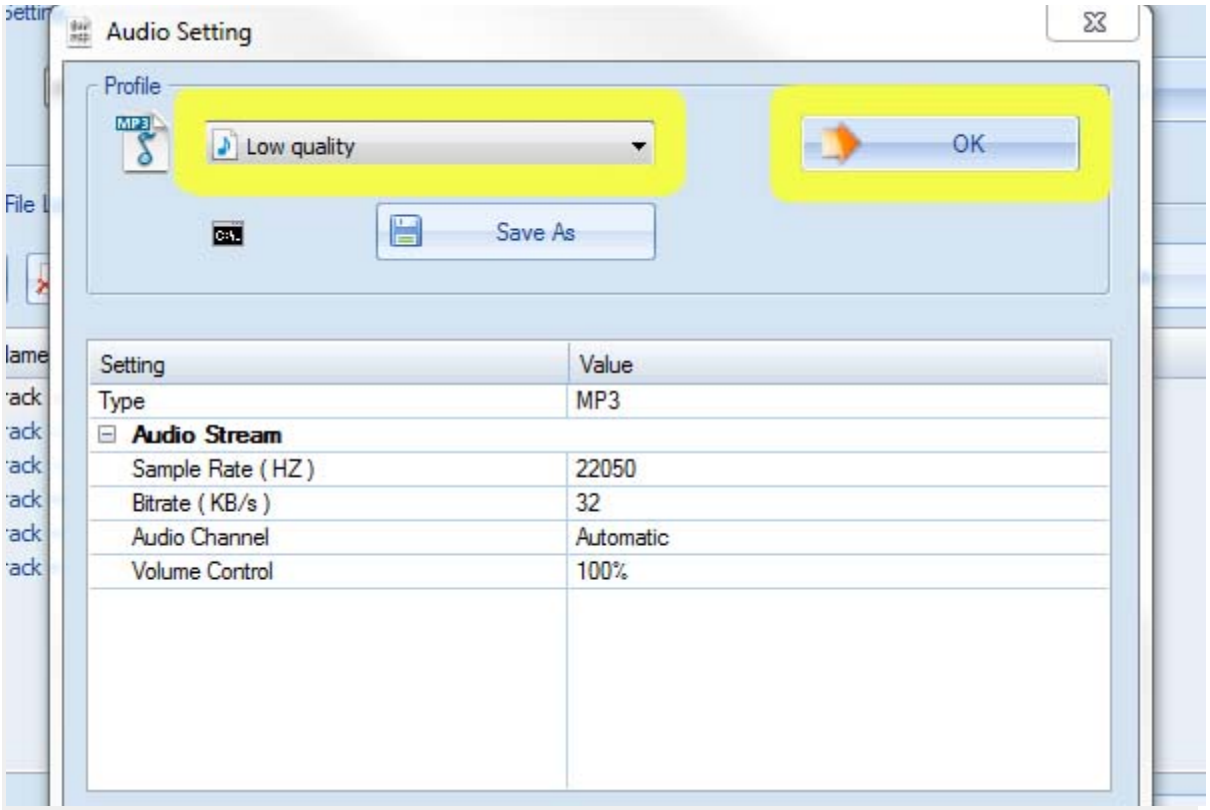
4. Hold down the Ctrl key on your keyboard, and then click on each file that you want to combine into a single file. Since you are holding down the Ctrl key, you will select multiple files. Then, click “Open.”



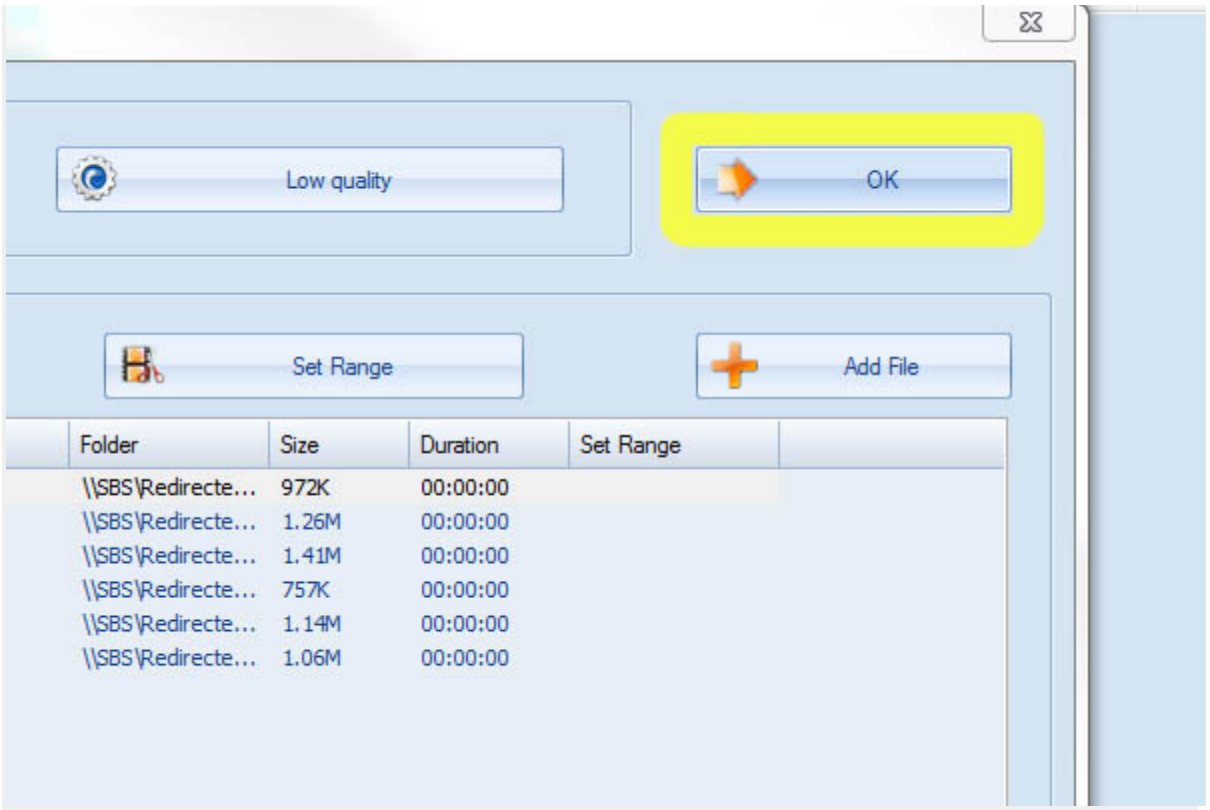
5. Make sure that the drop down bar at to top of the window says “MP3,” and then click on on the “quality” button next to the bar.



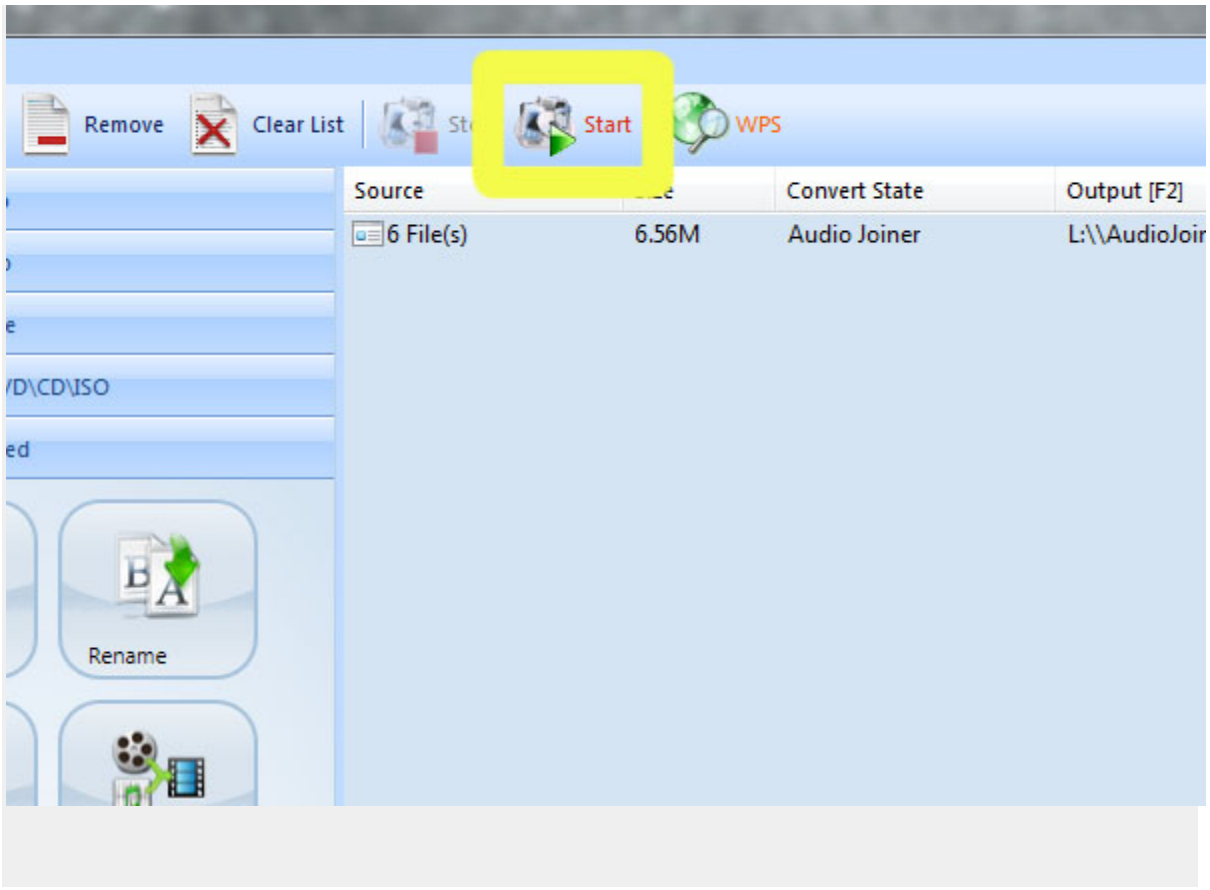
6. In the drop down bar select “Low quality,” and then “OK.” Note: If you want higher quality audio, select “Medium quality” or “High quality” from the drop down bar. Remember that this will make the size of your audio file larger. Smaller file sizes are better when distributing files to basic mobile phones.


Audio Setting
Profile
Low quality
OK
Save As
Setting
Value
Type
MP3
Audio Stream
Sample Rate (HZ)
22050
Bitrate (KB/s)
32
Audio Channel
Automatic
Volume Control
100%

7. Click “OK.

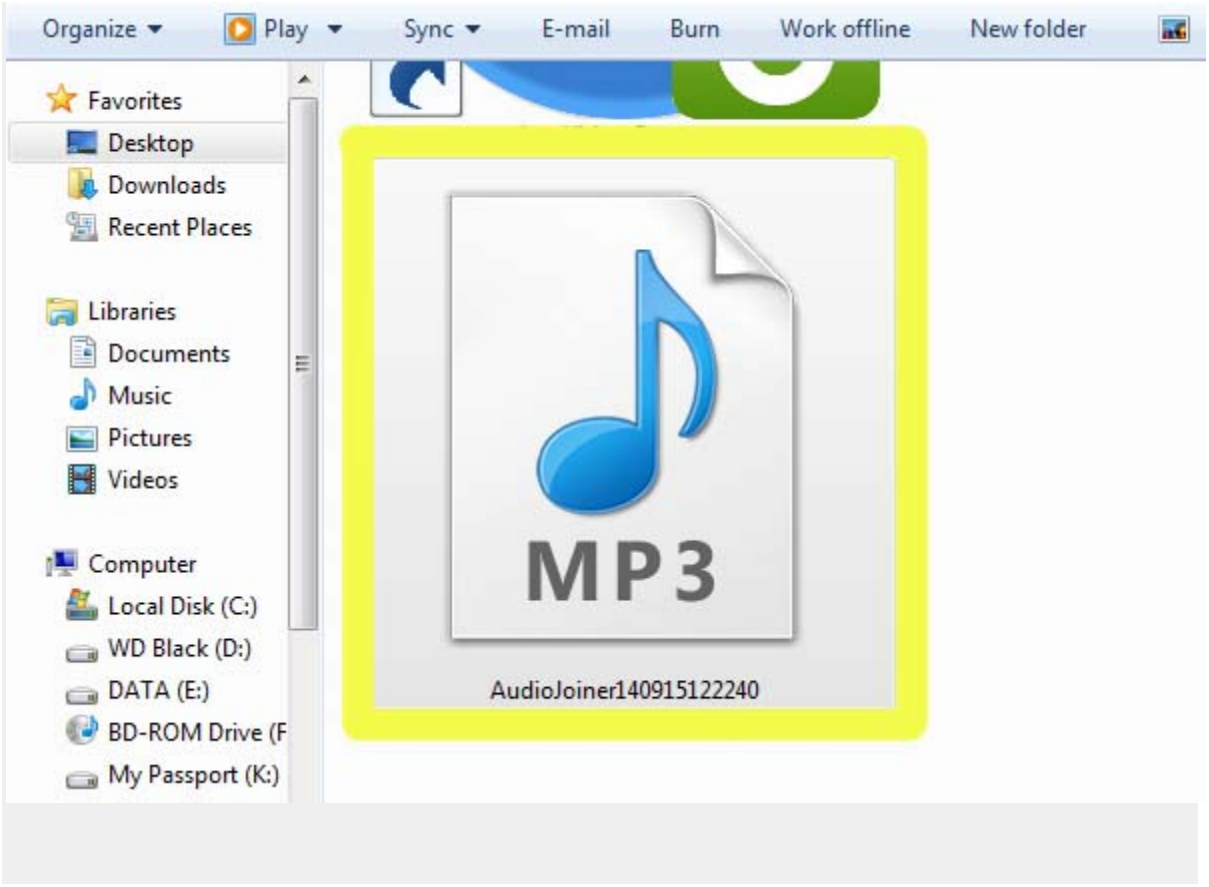


8. Click “Start.”



9. When the combination and conversion is completed, click the “Output Folder” button.

10. Your combined audio file will be in your output folder. You can now rename it and move it to a place on your computer where you can find it later.


Organize
Play
Sync
E-mail
Burn
Work offline
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
WD Black (D:)
DATA (E:)
BD-ROM Drive (F
My Passport (K:)
MP3
AudioJoiner140915122240