

# Merge/Combine/Join Video

MPG/MPEG files:

```
sudo apt-get install mpgtx
mpgjoin vid1.mpg vid2.mpg vid3.mpg -o combinedvideo.mpg
```

WMV/MP4 files (same codec/properties):

```
ls -la > list.txt
#edit list and sort/format lines as
# file 'video1.wmv'
# file 'video2.wmv'
# file 'video3.wmv'

#or

ls -l *.wmv | sort -n | sed "s/\(.*\) /file '\1'/" > list.txt

ffmpeg -f concat -safe 0 -i list.txt -c copy outputfilename.wmv

#or

ffmpeg -f concat -safe 0 -i video1.wmv video2.wmv video3.wmv -c copy
outputfilename.wmv
```

<https://stackoverflow.com/questions/49371422/how-to-merge-two-videos-without-re-encoding/49373401#49373401>

Script for multiple conversions based on filename pattern. Converts all related files that have a number at the end and start with 1:

```
#!/bin/bash
SAVEIFS=$IFS
IFS=$(echo -en "\n\b")
for f in *1.wmv
do
    shortfile=${f::-5}
    echo "file \"$shortfile\"1.wmv" > list.txt
    echo "file \"$shortfile\"2.wmv" >> list.txt
    echo "file \"$shortfile\"3.wmv" >> list.txt
    ffmpeg -f concat -safe 0 -i list.txt -c copy $shortfile.wmv
    rm list.txt
done
IFS=$SAVEIFS
```

Script to merge files:

[video\\_merge.sh](#)

```
#!/bin/bash

# Check if a parameter is provided
if [ -z "$1" ]; then
    echo "Usage: "$(basename $0)" <files>"
    exit 1
fi

TMPFILE=$(mktemp)

for input in "$@";
do
    if [ -f "$input" ]; then
        if [ "$container" == "" ]; then
            container="${input##*."}"
        fi
        if [ "$container" != "${input##*."} " ]; then
            echo "Files need to be in same format to merge!"
            echo "Abandoning merge"
            if [ -f "$TMPFILE" ]; then
                rm $TMPFILE
            fi
            echo;read -rsn1 -p "Press any key to continue . . .";echo
            exit
        fi
        echo "file '$input'" >> $TMPFILE
        container="${input##*."}"
        filename=${input%.*}
    fi
done

output="$filename.mergedprogress.$container"
sort -n -o $TMPFILE"_sort" $TMPFILE

echo "The following files will be merged in this order:"
cat $TMPFILE"_sort"
echo;read -rsn1 -p "Press any key to continue . . .";echo

cmd='ffmpeg -f concat -safe 0 -i "'"$TMPFILE"'_sort" -c copy
"'$output'"
eval $cmd
if [ $? -eq 0 ];
then
    actualheight=$(ffprobe -v error -select_streams v -show_entries
stream=height -of csv=p=0:s=x "$output")
    #output2="${output%.*}."$actualheight"p.$container"
    output2="$${output//.mergedprogress./}.$actualheight""p.merged}"
    mv "$output" "$output2"
    echo "Output file: $output2"
    rm $TMPFILE
    rm $TMPFILE"_sort"
```

```
else
    echo "An error occurred. File not converted properly!"
    echo "Full ffmpeg command:"
    echo "$cmd"
fi

echo;read -rsn1 -p "Press any key to continue . . .";echo
```

Nemo action to call this merge script (to be put in ~/.local/share/nemo/actions:

### video\_merge.nemo\_action

```
[Nemo Action]
Name=Video Merge
Comment=Video Merge
Exec=video_merge.sh %F
Icon-Name=stock_down
Selection=m
Extensions=mp4;wmv;avi;mkv;mov
Quote=double
EscapeSpaces=true
Terminal=true
```

From:

<http://wuff.dyndns.org/> - **Wulf's Various Things**

Permanent link:

<http://wuff.dyndns.org/doku.php?id=howto:merge-video&rev=1709004723>

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