

# User Manual

## ARCHOS FM Remote Control

Stereo FM Radio / Remote Control / Microphone  
for ARCHOS Video AV300 series



**ARCHOS**  
Think smaller

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# 1 The Archos FM Remote Control

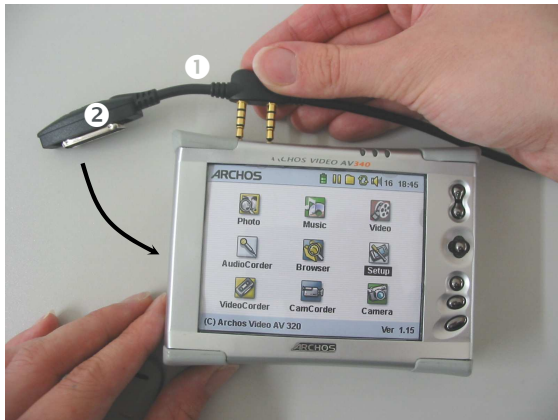
This FM Remote control will allow you to:

- Play MP3 songs that are on your AV300.
- Record your voice with its microphone.
- Listen to FM Stereo radio.
- Record off the FM radio into MP3 files

## 1.1 Operation Modes

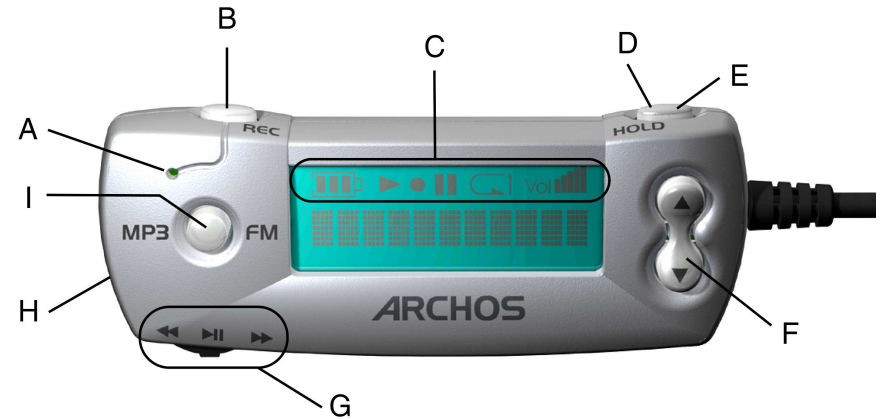
- **Browse Mode:** Allows browsing through files and folders on the AV300
- **Play Mode:** Plays mp3 music files from the AV300
- **Voice Record Mode:** Allows the recording of voice from the remote's microphone
- **FM Play Mode:** Plays from the built-in FM radio
- **FM Record Mode:** Records from the built-in FM radio

## 1.2 Connecting to your AV300



The FM remote is hot pluggable. You do not have to shut off the AV300 in order to plug in the FM Remote control or remove it. First, (1) plug in the double-jacks and then (2) attach the mini-centronics connector. Now plug your headphones into the FM Remote Control itself.

Once connected, the regular buttons on the AV300 will still work in addition to the remote control buttons.



- A Built-in microphone
- B Record voice or FM Radio
- C Battery level / Playing / Recording / Paused / Repeat play / Volume level
- D **HOLD:** Press Hold for 3 seconds to de-activate/reactivate all buttons
- E **FM Mode:** Short press changes between Stereo and mono reception  
**Browse Mode:** Short press moves browser up to the parent directory
- F **Increase +:** Volume Up  
**Decrease - :** Volume Down
- G **Rocker Control :** (left, right, center click)
  - Browse Mode:** Left: Previous item in current directory  
Right: Next item in current directory  
Center: Play song / Pause / Enter directory
  - FM Mode:** Left: Go down the FM band or to previous preset  
Right: Go up the FM band or to next preset  
Center: Change FM mode (Preset/Manual/Search)  
Center: (Long) Make a preset at the current frequency or delete current preset (preset mode)
- H 3.5mm jack for headphones
- I (Quick press) Switch between FM mode and MP3 (browse) mode. Stop/Esc.  
(Long press) Go back to home <Music> icon.  
Hold for 3 seconds to turn off AV300.

## 2 How to Use the Radio and MP3 Functions

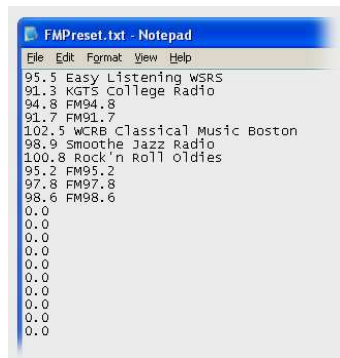
### 2.1 Playing MP3 files

You can connect your FM Remote to the AV300 at any time. The remote's screen will show your current directory or the file name you are currently playing. Make a long press on the FM/MP3 mode button and you will be sent to the main screen of the AV300. You can choose either the <Music> or <Browser> icon. Use the remote's ◀▶ rocker control as you would the UP/DOWN joystick controls and the PLAY▶ as the PLAY ● button on the AV300. This will allow you to search your directory structure to find songs and playlists that you want to play. If you are in the FM mode, just click on the MP3/FM button to go to MP3 mode. Use the Increase▲ and Decrease▼ buttons on the Remote FM to control headphone volume.

### 2.2 Tuning the Radio

Once the remote is plugged in, click on the mode button MP3/FM to go to the radio mode. Use the rocker control Left ◀◀ and Right ▶▶ to go up and down the frequency range. A short press on the rocker button will rotate through the three FM tuning modes, Preset (you can choose one of your 20 preset stations), Manual (tune your station manually), Search (let the radio search for the next clear station). Press the MP3/FM button to leave the Radio mode and go back to the MP3 mode.

### 2.3 Making a Radio Preset



You can save up to 20 preset stations with the FM remote control. Once you have found the radio frequency you want to save as a preset, press and hold the rocker PLAY▶ button for 3 seconds. The Remote will show *P2 Saved*, for example, indicating that this radio station is now program number 2. If you would like to erase a preset station, go to the tuning Preset mode, scroll to the preset number you want to clear, then hold down on PLAY▶ for three seconds. You now have a free program slot to make a different FM preset.

If you would like to name your Preset radio stations, you can do this by editing, with a text editor such as Notepad (Windows®) or SimpleText (Macintosh®), the file FMPreset.txt which you will find in the System folder on the root directory of the AV300 hard drive. Please note that you should not use a word processor such as Microsoft Word® to edit the preset text file. Each line of the text file should contain the station frequency, a space, and then the name of the station. You can name the station whatever you want, some examples are **90.1 Easy Jazz** or **90s Hits FM Radio 107.8** or **91.3 KGTS**. You are limited to 32 characters for naming a station preset. The entry on a line of 0.0 represents an empty preset slot.

### 2.4 Setting the HOLD mode

Use this feature if you would like to prevent the FM Remote from changing stations or settings accidentally if a button is pressed or hit. Hold down for three seconds on the HOLD button to activate this. The buttons will be locked and not respond if pressed. To de-activate HOLD and make the buttons usable, press the HOLD button again for 3 seconds. Using the HOLD on the Remote will lock both the Remote's buttons and the AV300 buttons. You can also hold down on the top function button of the AV300 to de-activate HOLD.

### 2.5 Recording from the Microphone

First make sure you are in the MP3 mode (MP3/FM button to change modes). Simply click once on the REC button and the recording starts. The REC button will light up red to indicate that you are making a recording. When you are done, click on REC again and the recording will finish and write to your hard drive. Your recorded file will be saved in the last folder that was used for audio recording.

For example, if you have a folder **/HD/Music/Voice** that you made an audio recording in, then the next time you click the REC on the remote control, it will save the file to that **Voice** folder. If you have used only the AudioCorder icon from the main AV300 screen for recording, then the recording will be stored in **/HD/Music** since no other folder had been identified as the last recording folder. The file name for this recording will be **VOICExxxx.mp3**, where xxxx are incremental numbers. During the recording, you can change the recording gain. Press the rocker control to the left ◀◀ (less gain) when the sound you're recording is loud, or to the right ▶▶ (more gain) when the sound is soft.

## 2.6 Recording from the Radio

When you hear something on the radio you would like to record, click once on the REC button. The REC button will light up red to indicate that a recording is taking place. Click it again when you want to stop the recording. Your recorded file will be saved in the last folder that was used for audio recording. For example, if you have a folder **/HD/Music/Radio** that you made an audio recording in, then the next time you click the REC on the remote control, it will save the file to that **Radio** folder. If you have used only the AudioCorder button on the main AV300 screen for recording, then the recording will be stored in **/HD/Music** since no other folder had been identified as the last recording folder. The file name for this recording will be **RADIOxxxx.mp3**, where xxxx are incremental numbers. During the recording, the gain is fixed so that you get the best possible radio recording.

## 2.7 Retro Recording and Editing

### Retro-recording

This is a feature that allows you to capture the 30 seconds (approximately) of radio broadcast before the record button is pressed. It does this by continuously recording a 30 second loop of music in a buffer. Then, when you click on **Rec** to record the radio, it adds this 30 seconds to the beginning of your recording. This way, if you start recording a radio song after it has started, you will actually have the entire song in the recording. The Retro-Record setting must be set to **On** in order for this to work. See the description in section 2.8 on how to turn on or off the Retro-record function.

### Editing

Once a retro-recorded song has been recorded, it can be edited on the AV300 itself. Often, the beginning of the recording will include a commercial or announcer talk that you do not want to keep, but was also recorded during the buffered 30 seconds. To go to the Audio Edit screen, locate the recorded radio file on your AV300 and then click on **PLAY**. The function button **Audio Edit** indicates that you can edit this radio recording. Click on **Audio Edit** to enter the Edit mode.



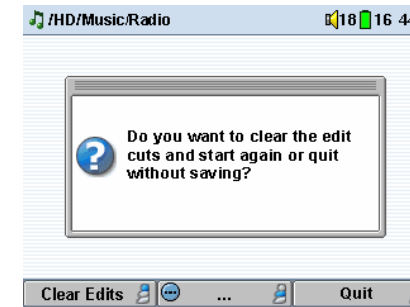
Shown below is the Audio Edit mode. You will notice that your radio recording has started to play.

It will continuously loop so that you can hear the changes to it as the Cut-IN and Cut-OUTs are made.

As normal, when playing a song, you can use the Reverse ◀ and Forward ▶ on the joystick to move back and forward within the song. While the song is playing, wait for the precise moment that you want the edited song to start and click the left function button **Cut-IN**. This is the point that your new edited song will start. You will notice that the song length will be reduced. This is normal, because you just shortened the song with the cut.



You will also notice the point at which the cut was made at the Cut-IN indicator (0:00:18 in the example screen). Let the song continue (or fast forward it) and then at the precise moment you want the edited song to stop, click on the right function button **Cut-OUT**. This is the point that your new edited song will stop. You can let the song loop so that you can listen to and verify that the cuts you made are to your liking. If not, Click on the **STOP** to clear the



edit points and re-edit the cuts, or just exit the audio editor without changing the radio file. Once you are satisfied with the edit, click on the center function button **Save Edit** to save your edit as a new file. The AV300 will execute a read/write process and create a new file named *oldfilename\_Edit.mp3* and place it in the same directory as the original file.

## 2.8 Setting Parameters

To change the Remote FM parameters, you must attach the FM remote control, enter FM mode, and then click on the center function button **Settings** on the AV300.

### FM Band



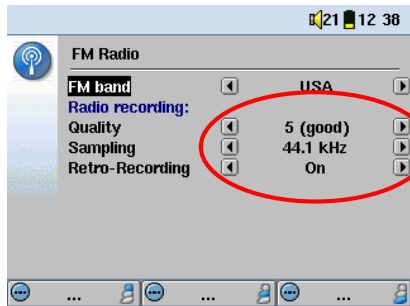
Make sure you have the correct FM setting. Go to the parameter **FM Band**. The specifications for the modes are as follows:

**USA:** 87.5 - 108 Mhz de-emphasis 75 $\mu$ s

**Europe:** 87.5 Mhz – 108 Mhz de-emphasis 50  $\mu$ s

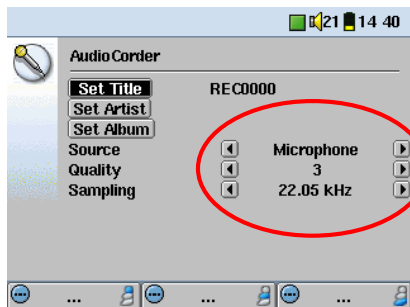
**Japan:** 76 Mhz - 91 Mhz de-emphasis 50  $\mu$ s

### Radio Recording



You can adjust the quality of the FM recording with this setting. A setting of 5 on quality, and a sample rate of 44.1 kHz corresponds to CD quality. The higher each of these settings is made, the more space will be consumed on your hard drive for each recording. See your AV300 manual for the table which lists the approximate bit rates for these settings.

### Microphone Recording



The microphone recording parameters are the same which are set for the built-in AV300 microphone. If you want to change the microphone settings, then you must go to the AV300 main menu and select **AudioCorder** and then **Settings**. Click on ESC **✕** once you have set the parameters to your liking. The new settings will be taken into account. The new parameters will be applied to the microphone on the FM remote as well as on the built-in AV300 microphone. Setting the

bitrate to quality level 3 and the sample rate to 22kHz, will save space on your hard drive and you will hear little difference in the recorded voice quality.

### Retro-Recording



To activate the Retro-Recording function, set it to **On**. Each time you make a recording from the radio, you will get approximately 30 seconds of what was playing from the radio before you had pressed the REC button. When off, radio recordings start within a second of the moment you click the REC button.

### 3 Technical Support

- If technical support determines that your product needs to be returned, please contact the place of purchase to have your product repaired or replaced (depending on problem type). Customers who purchased directly from the Archos web site should fill out the form on the web site under Support : Product Returns : RMA Request form.
- There is both an **FAQ** and a 24 hour **Instant Support** intelligent agent at the ARCHOS website which can help you solve your problems (www.archos.com)
- If you need live technical help, you may contact ARCHOS directly in your country's language via the below phone numbers. For other countries, please use e-mail technical support.

#### ----- Telephone Support -----

**DO NOT USE PHONE SUPPORT FOR  
MARKETING AND SALES QUESTIONS. These  
numbers are to aid those who have technical  
difficulties / malfunctions.**

949-609-1400	(USA, Canada)	09-1745-6224	(Spain)
01 70 20 00 30	(France)	02-4827-1143	(Italy)
0207-949-0115	(UK)	02-050-405-10	(Netherlands)
069-6698-4714	(Germany)		

#### ----- E-mail Support -----

**tech-support.us@archos.com** English (United States and Canada customers)  
**tech-support.eu@archos.com** English or French (Europe and the rest of the planet)  
**tech-support.de@archos.com** German (Germany)  
**tech-support.jp@archos.com** Japanese (Japan)

To respond to your e-mails efficiently, when sending one, please indicate the product name and question type in the Subject of the e-mail.

For example:

**To:** tech-support.us@archos.com

**Subject:** FM Remote on AV300 – Retro-Recording

### 4 Troubleshooting

**Problem:** None of the buttons on the remote control respond.

**Solution:** Did you press and hold the HOLD button? This locks the operation of all buttons on the remote control. Hold the HOLD button for 3 seconds to turn the hold function on or off.

**Problem:** The sound quality of the FM radio is not so good.

**Solution:** Your headphone cable acts as the antenna for the FM radio. Try moving the cable or turning it toward another direction. You could also check to make sure the correct region is selected under the parameter FM Band (USA, Europe, Japan).

**Problem:** My preset radio stations do not work correctly or are no longer available.

**Solution:** This could be due to the fact that either the file FMPreSet.txt file has incorrect lines in it or that this file had been deleted from the System folder of your AV300. Make sure that your text file has only 20 lines and that each line has a valid frequency, a space, and then a text string that is up to 32 characters long. If you delete the file, the AV300 will re-create a new, but empty, preset list.

**Question:** I always miss the beginning of the songs I want to record, what can I do?

**Answer:** Set the Retro-Record to **On**. This way, when you start a radio recording, the AV300 will actually include the previous 30 seconds in the recording. You can then later edit out the parts you don't want with the Audio Edit function.

**Question:** Why can I only edit some of my MP3 files?

**Answer:** Only radio recordings can be edited.

**Question:** How can I shut off my AV300 with the remote FM?

**Answer:** Hold down on the MP3/FM button for 3 seconds.

**Question:** How can I turn on my AV300 with the Remote FM?

**Answer:** This cannot be done. You must turn on the AV300 the normal way.

## 5 Warranty and Limited Liability

This product is sold with a limited warranty and specific remedies are available to the original purchaser in the event the product fails to conform to the limited warranty. Manufacturer's liability may be further limited in accordance with its sales contract.

In general, the manufacturer shall not be responsible for product damages caused by natural disasters, fire, static discharge, misuse, abuse, neglect, improper handling or installation, unauthorized repair, alteration or accident. In no event shall the manufacturer be liable for loss of data stored on disk media.

**MANUFACTURER SHALL NOT BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES. EVEN IF INFORMED OF THE POSSIBILITY THEREOF IN ADVANCE.**

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Please see your sales contract for a complete statement of warranty rights, remedies and limitation of liability. Furthermore, warranty does not apply to:

1. Damages or problems resulting from misuse, abuse, accident, alteration or incorrect electrical current or voltage.
2. Any product tampered-with or damaged warranty seal or serial number label.
3. Any product without a warranty or serial number label.
4. Batteries and any consumable items delivered with or in the equipment.

### Warnings and Safety Instructions

#### **CAUTION**

To prevent risks of electric shock, this unit must only be opened by qualified service personnel. Power off and disconnect the power supply cable before opening the unit.

#### **WARNING**

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

Use of this product is for personal use only. Copying CDs or loading music, video, or picture files for sale or other business purposes is or may be a violation of copyright law. Copyrighted materials, works of art, and/or presentations may require authorization to be fully or partially recorded. Please be aware of all such applicable laws concerning the recording and use of such for your country and jurisdiction.

#### **ELECTROSTATIC PHENOMENA**

In case of Electrostatic Discharge, the AV300 may stop functioning. Please power off and on in order to restore functionality.

### FCC Warning Statement

#### **FCC Compliance**

This equipment has been tested and found to comply with limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**Note:** During file transfer or in the PC mode, if the EUT or computer suddenly freezes or does not respond, it may be due to the electrostatic phenomenon. Please follow the procedures below to recover the operation:

Unplug the USB cable from the EUT

Close the software application in the computer (or re-boot the computer if necessary)

Re-connect the USB cable to the EUT.

**CAUTION :** Modifications not authorized by the manufacturer may void users authority to operate this device.

**FCC Part 15 -** Operation is subject to the following two conditions:

1. This device may not cause harmful interference;
2. This device must accept any interference received including interference that may cause undesired operation.

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