

Hosting Configuration Files with IPClockWise

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3820 NORTH VENTURA DR.

ARLINGTON HEIGHTS, IL 60004

U.S.A

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Static Electric Warning

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Complete Support Site with User Guides & Help: http://www.anetd.com/user-support/ **Technical Resources:** AND Legal Disclaimer:

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2





OVERVIEW

For security and control, IPClockWise can host configuration files for all AND devices, which disables the web server options and prevents other users from changing settings on devices locally. These procedures require a minimum device Firmware version 1.5.0001.

Advantages of using a configuration file:

- Control all device settings from a single location using only two configuration files on the IPClockWise server.
- Easy to change many device parameters at once.
- All the web interfaces become secured.

SET UP CONFIGURATION FILES BASED ON CURRENT DEVICE SETTINGS

For an existing installation, if you have used the web interface to configure each device, you can follow these procedures to create configuration files based on your current device settings, and then serve them to the devices.

ClockWise								-	- 0	×
Last played sound: ta da soundbible.com-1884170640.wav at 11:00 AM Network Com- Line played sound: ta da soundbible.com-1884170640.wav at 11:00 AM Network Com- Service Com Service Com										
	(Twitter Feeda Stenwatch	Timer Scomboard	Jine Sound	DC Audio	Endpoints	Sound Libra	u Live Comera			
Refresh	Pixmap builder	Add Net	w Endpoint		Liponito	Journa Lola	y ave califiera	٩,	find de	evices
Endpoints (93)	Location	IP Address	Up	L Firmware	Temp (°F)	Lig Mi	SIP Flasher	rs Inputs	Outputs	C C ^
DanG Endpoints	Group	-	-		-		· ·	-	-	
Demo	Group				1	1 1		1	-	
All AND Devices	AutoGroup		-		-		· ·		-	
DC Casalian		127.0.0.1	-		-			-	-	

1. Navigate to your Endpoints tab, and find the group *All AND Devices* in the list.

- Backup your current settings. Right-click on the All AND Devices group in the Endpoints list and select Collect Full Status → Collect. The process will create backup folders in your logs folder. (C:\Users\Public\Documents\ClockWise\Logs)
- 3. Create configuration files for your other devices. Right-click on the *All AND Devices* group in the Endpoints list and select *Extract Aggregate Config File*. Click "Yes" to create the files in the proper directory of IPClockWise. (C:\ProgramData\ClockWise\IPSpeaker)







Note: If your drop-down menu shows the option as unavailable (grayed-out), then a device in the list may have dropped off the network, or one of the devices does not support this feature. You can still create an aggregate config file by creating a group and manually selecting endpoints to include in the aggregate config file.



4. Right-click on the *All AND Devices* group in the Endpoints list and select *Serve Configuration File For Device*. Answer "Yes" or "No" depending on the stability of your IPClockWise machine's IP address. The devices will reboot automatically and get the new configuration files from the built-in HTTP server in IPClockWise.

SET UP CONFIGURATION FILES BY REPLICATING SINGLE DEVICE SETTINGS

For new installation, configure one device via the web server interface, extract the XML and replicate to other devices as follows:

- 1. Configure your model device using the web server interface.
- 2. Create configuration files for the model device. Right-click on the device you want to model in the Endpoints list, and select *Extract Aggregate Config File*. Click "Yes" to create the files in the proper directory of IPClockWise. (C:\ProgramData\ClockWise\IPSpeaker)

Create IPSpeaker.cfg	\times						
A standard configuration file with the name C:\ProgramData\ClockWise\IPSpeaker\\IPSpeaker.xml must exist and be configured to reference the aggregate file. Would you like to create such a standard file at this time?							
Yes No							







3. Open the created file AllSpeakers.xml in C:\ProgramData\IPSpeaker using an appropriate XML editor.



- 4. Duplicate the Speaker section of the code (see example below) for each device you want to adopt these settings. Be sure to update the parameters unique for each device, such as mac address, description, SIP configuration, location, etc.
- 5. Save your changes. Once you reboot these devices or connect them to the network, this file will configure their settings automatically.

ADDING NEW ENDPOINTS AFTER INITIAL SETUP

Once IPClockWise serves configuration files, follow these steps to add new AND endpoints to the network.

- 1. Open the AllSpeakers.xml file.
- 2. Add a new IPSpeaker section. Select an existing IPSpeaker section, and copy and paste it below that section. Change the MAC address to match the new unit and any other settings specific to that device.
- 3. Plug the new endpoint into the network, and look for it to be discovered automatically by IPClockWise.







- 4. Right-click that new endpoint in the Endpoint(s) list. Choose Serve Configuration Files for Device (we recommend you select No to use the IPClockWise server IP, unless you know for sure that the hostname will be resolved to the device). The endpoint will reboot and apply the settings from the configuration file.
- 5. Verify this process by viewing the **Device Settings** → **Configuration Information** (/config) page of the new device. Ensure it successfully retrieves the configuration file and also parses the aggregate file.

Configuration Files IPSpeaker Section Example

```
<Speaker mac="2046F9xxxxxx">
 <Firmware21 file="ips21 1 6 0004.bin" />
 <General location="North Wing" />
 <Development password="SideDoor" />
 <Servers auto-syn-apps-opt-72="1">
    <AND Exempt url="http://10.10.6.30:8089/" />
 </Servers>
 <NTPConfig timezone name="America/Chicago" >
    <Server url="0.anetd.pool.ntp.org." />
   <Server url="1.anetd.pool.ntp.org." />
   <Server url="2.anetd.pool.ntp.org." />
 </NTPConfig>
 <Microphone volume="6" />
 <SIPConfig descr="Office Small IP Display" />
 <PermanentStreams>
   <Channel stream="232.9.10.11" port="23456" priority="50" volume="5">
    </Channel>
 </PermanentStreams>
 <Priorities>
    <action priority="1-25" flashers="FFF,dim" />
 </Priorities>
</Speaker>
```



