



TIME & TEMPERATURE ANNOUNCEMENTS

Broadcast Electronics Tech Note

THE INFORMATION IN THIS ARTICLE APPLIES TO:

AVAir, version 6.62+

SUMMARY

Version 6.62 of the AudioVAULT software added a feature that allows for an automated time and/or temperature announcement by means of a versatile scripting engine. Because the time announce feature is scripted, it can be dropped into scheduler without worrying about what time it actually falls on. When AVAir plays a time announce, it will check the current time and play the appropriate cut. The same applies to temperature announcements.

AVAir gets the current time from the system clock, but to do temperature announcements, you'll need a thermometer capable of sending the current temperature over a serial connection to the AVAir computer.

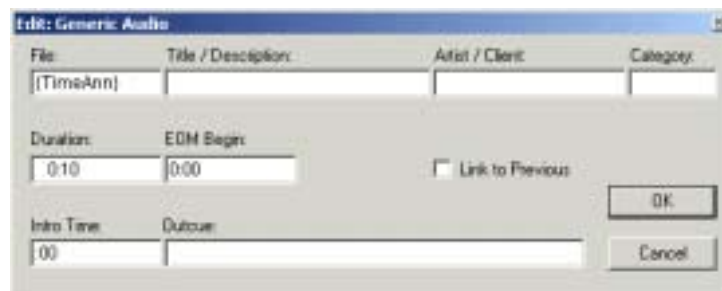
MORE INFORMATION

First, you'll need to record the time announce cuts. You need to record a cut for every minute of every hour from 12:00 (00:00) to 11:59. These cuts should be named **TIMEhhmm**. **TIME0856**, for example. Time Announce doesn't take AM/PM into consideration, so you'll only end up with 720 different cuts.

In the AVAir directory, there's a file called *avair.bas*. This is a Visual Basic scripting file that takes the current time and converts it to an AudioVAULT cut name based on the **TIMEhhmm** naming convention.

```
Function TimeAnn()  
Dim t,h,m  
t=Now()  
h=Hour(t)  
m=Minute(t)  
    if (h>11) then h=h-12  
    TimeAnn = "TIME" & Format(h, "00") & Format(m, "00")  
End Function
```

To schedule time announce events, simply schedule a **Generic Audio** event in AVScheduler calling on the **{TimeAnn}** function name.



When AVAir encounters one of these Generic Audio events, it will execute the script in the **avair.bas** file, find and load the correct Time Announce cut, and play it.

Temperature announcements

The temperature announce feature works similarly, with it's own function defined in the **avair.bas** file.

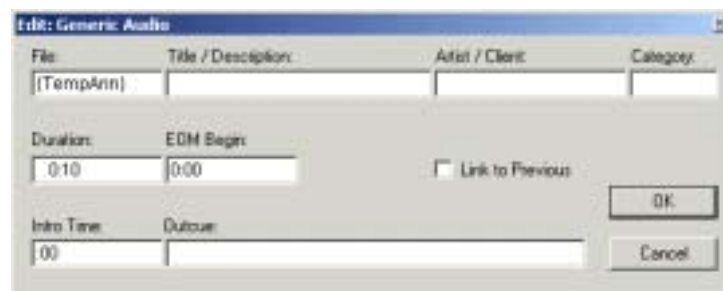
```
Function TempAnn()  
    Dim curTemp  
    curTemp = Cint(Custom(3))  
    TempAnn = "TEMP" & CStr(curTemp)  
End Function
```

You'll need to record cuts into the AudioVAULT that account for the temperature range in your area using the **TEMPdeg** format. **Temp72**, for example. One minor change needs to be made to the [AVAir] section of the **audiovau.ini** as well...we need to define the source for Custom3 referenced in the script:

```
IDD_Custom3=,COM1:\0xd
```

After adding the line to the INI, AVAir will need to be restarted.

To schedule time announce events, simply schedule a **Generic Audio** event in AVScheduler calling on the **{TempAnn}** function name.



For additional information on this topic, please contact Broadcast Electronics Digital Customer Service at 217.224.4700. You can also email specific questions to service@bdcast.com.