



Setting Levels on non-AV100 hardware

Broadcast Electronics Tech Note

THE INFORMATION IN THIS ARTICLE APPLIES TO:

All AudioVAULT products

SUMMARY

Levels on non-AV100 hardware are set through software. Modify the **Trim** setting, restart the server and check your level.

MORE INFORMATION

Setting Analog Output Levels

Output levels are set in the AV2K.INI file in the **[port.<name>]** section for the card in question. It is defined in the **OutputTrim=** setting. Setup will automatically set the value to a default level.

```
[Port.VX222 Card 1]
InputPort=VX222 Audio Card
InputPortIndex=1
Mixer=VX222 Audio Card
OutputPort=VX222 Audio Card
OutputPortIndex=1
InputTrim=-2
OutputTrim=-2 ←———— Modified setting
```

Setting Analog Input Levels:

Analog input levels are set in the AV2K.ini file in the **[port.<name>]** section for the card in question. It is defined in the **InputTrim=** setting.

```
[Port.VX222 Card 1]
InputPort=VX222 Audio Card
InputPortIndex=1
Mixer=VX222 Audio Card
OutputPort=VX222 Audio Card
OutputPortIndex=1
InputTrim=-2 ←———— Modified setting
OutputTrim=-2
```



*Input gain can also be affected by any **SourceGain(n)** settings in the workstations' INI files that are using that particular card. If a **SourceGain(n)** setting exists, both levels are applied, and the level will be unpredictable.*

Setting Digital Input Levels:

Digital input levels are set in the audiovau.ini file of the workstation that is using that particular channel/source. This is set in the **[machine.<name>]** section by setting **SourceGain(n)** to the necessary level. The range of input levels differs per type of card.

```
[Machine.PRODB1]
Compression=11320J
MachineID=1
RotationID=1
SampleRate=32000
Source1=3,4
SourceGain1=-2 ←———— Modified setting
SourceName1= Digital In
```

Setting ClockSource for Digital Cards:

When using the digital input on a **multi-channel** card, the source for the rate at which the card will be clocked must also be supplied. Different cards in the same PC can use different sources for their clock, but each channel on a **multi-channel** card must use the same source for the clock rate.

The clock source is specified in the AV2K.INI file for the card in question by setting **ClockSource=** to the appropriate value. Most typically, **AES1** or **AESSYNC** will be used.

Not all of these sources will be available to all types of sound cards. Available sources can be found in a couple of ways. Documentation for the card should list the available input sources. The cable for the card will have all the available input sources.

ClockSource is not required when using the VX222 card or other single-channel cards or when using the analog input.

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.