



## Instructions For Loading Speaker Voice Files

Speaker voice file presets are designed to optimize Ashly speaker performance and improve frequency response. There are four types of speaker presets, each tailored to a specific range of Ashly DSP products and each deploying different DSP to accomplish its task. There are currently voice files for the following speakers:

IS-2.8P Full-range  
IS-2.8P w/Sub  
IS-3.8P Full-range  
IS-3.8P w/Sub  
AW-2.1P Full-range  
AW-2.1P w/Sub  
AW-3.2P Full-range  
AW-3.2P w/Sub  
AW-5.2T Full-range  
AW-5.2T w/Sub  
AW-8.2T Full-range  
AW-8.2T w/Sub

These may be downloaded individually or as a .zip folder from [www.ashly.com/software/speakerfiles](http://www.ashly.com/software/speakerfiles)

**Level 1a** processing is designed to work with full Protea-based models, which use PEQ, FIR Filters, X-Over & Delay. These include: nXp, nep, pema & ne processors. These files may be imported on a per channel basis as .voc files but may also be saved and reloaded as part of a preset or sub-preset as .pne files.

**Level 1b** processing encompass the same functionality as Level 1 but is designed for AquaControl-based DSP. Currently, this includes the mXa-1502 Mixer-amplifier, but other future models of AquaControl-enabled amplifiers and processors may also be added. A file type and import method have not yet been determined.

**Level 2** processing is designed for ne24.24m which is encompasses PEQ, delay and HPF/LPF, but *no FIR Filters* and does not support Universal Crossover functions, though it does provide HPF & LPF. However, even with a less advanced DSP set, it is possible to approximate the required EQ in order to achieve a similar result. Ne24.24m can only load/save preset or sub-preset files (.pne).

**Level 3** processing is designed for the SP Series of Speaker Processors (3.6SP & 4.8SP), which use a simpler DSP including: 4-band PEQ, HPF/LPF and delay. This is a very rough method and may not achieve ideal results as with Protea or AquaControl but will provide improved sound for each corresponding speaker model. Also, the SPs save/load only presets, which is all settings for all channels at once.

### Loading Level 1a (Protea) Voice Files

- Open Protea Software on your Windows PC and open the DSP-enabled device you wish to use (nXp, nep & pam amplifiers and ne matrix processors).
- Once opened, click on the “**DSP**” tab to open the signal map
- On the output chain side, right-click on the channel number and select “**Acoustic Voicing> Load From File.**”
- Select the appropriate .voc file from the directory and click “**OK**”
- Protea loads the speaker voice file for the speaker than will be connected to that channel. Note: If a speaker is being used with a subwoofer, it will be necessary to additionally load the sub speaker settings into another channel as well. Settings from either main or sub speaker may be copied and pasted into other channels as necessary, if multiple sets are being used.

- It is possible to save a preset file (.pne) which contains a template for all input and outputs settings for a particular system configuration.

#### **Loading Level 1b (AquaControl) Voice Files (TBD-Available in v1.2)**

- Open AquaControl Software for your connected device in your browser and once logged in open the Signal Page
- On the output chain side, click on the “\*\*\*\*” link for that channel and select “Load Chain”. A window will appear to allow search for the proper file (Type TBD).
- Clicking on the file will load that file into the channel chain and the blocks will populate with the correct settings.
- Note: This process will overwrite any existing channel settings.

#### **Loading Level 2 (ne24.24m) Speaker setting Files**

- Open Protea Software on your Windows PC and open the nhe24.24m unit you wish to use
- From the top menu select: **Preset Options>Load Sub-preset from File**. Select the appropriate .pne file from the directory and click “OK”
- Protea will always load the sub-preset to Output Channel 1.
- Depending on whether you are using multiple speakers or different/mixed speakers, it may be necessary to copy & paste the settings from channel one to another channel prior to loading the next speaker setting, since subsequent loading will overwrite the existing channel settings.
- It is possible to save a preset file (.pne) which contains a template for all input and outputs settings for a particular system configuration.

#### **Loading Level 3 (SP processors) Speaker setting Files**

- Open Protea Software on your Windows PC and open the SP model processor you wish to use (3.6SP or 4.8SP).
- From the top menu select: **Preset Options>Load Preset from File**. Select the appropriate .pne file from the directory and click “OK”
- **Note:** that the SP processors will load/save *Presets only*. Therefore, only a single setting may be loaded for a particular speaker type into channel (designed channel for load). Any subsequent preset loading will overwrite the existing settings. However, once loaded, settings may be copied into other channels as required. Presets containing subwoofer settings will load into channels 1 & 2. All other output settings and input settings must be performed manually once the speaker preset have been loaded.