**Instrument Descriptions side-by-side as captured from the fitter’s view within Phonak Target 7.1 screens for “Instruments” “Hearing Aids”**

**Costco KS10**
- **Description**: Premium WaterResistant external receiver instrument (rechargeable) for mild to profound hearing loss. Direct connectivity (Bluetooth®).
- **Features**:
  - Automatic 4.0 premium
  - Speech boost
  - Feedback Manager - WhistleBlock
  - Noise manager - NoiseBlock
  - Soft noise reduction
  - Wind manager - WindBlock
  - Mic directionality

**Phonak P90-RT**
- **Description**: Premium WaterResistant external receiver instrument (rechargeable) for mild to profound hearing loss. Direct connectivity (Bluetooth®).
- **Features**:
  - AutoSense OS 4.0 premium
  - Speech enhancer
  - Feedback Manager - WhistleBlock
  - Noise manager - NoiseBlock
  - Soft noise reduction
  - Wind manager - WindBlock

**Autosense Programs side-by-side comparison of fitter’s view selecting “Fine Tuning” upper tab, “Program Options” lower tab**

<table>
<thead>
<tr>
<th>Fitting Software - Phonak/Costco Target 7.1</th>
<th>Various Automatic Program Settings</th>
<th>Custom1</th>
<th>Adjustment Scale</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Hearing aid microphone</strong></td>
<td><strong>Mic directionality</strong></td>
<td>-6db</td>
<td>0=Off</td>
</tr>
<tr>
<td><strong>Dynamic noise manager</strong></td>
<td><strong>Dynamic noise cancellation</strong></td>
<td>0</td>
<td>0=Off</td>
</tr>
<tr>
<td><strong>Speech boost</strong></td>
<td><strong>Speech enhancer</strong></td>
<td>0</td>
<td>1 to 9 = Weak</td>
</tr>
<tr>
<td><strong>Feedback Manager</strong></td>
<td><strong>WhistleBlock</strong></td>
<td>0</td>
<td>10 to 16 = Moderate</td>
</tr>
<tr>
<td><strong>Impulse manager</strong></td>
<td><strong>SoundRelax</strong></td>
<td>8</td>
<td>17 to 20 = Strong</td>
</tr>
<tr>
<td><strong>Noise manager</strong></td>
<td><strong>NoiseBlock</strong></td>
<td>8</td>
<td></td>
</tr>
<tr>
<td><strong>Soft noise reduction</strong></td>
<td><strong>Soft noise reduction</strong></td>
<td>0</td>
<td></td>
</tr>
<tr>
<td><strong>Wind manager</strong></td>
<td><strong>WindBlock</strong></td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

**Vendor’s term for option**
- **Mic directionality**: manages sound rear, side and front
- **Dynamic noise manager**: manages sound rear, side and front
- **Speech boost**: optimizes soft speech for KS Program “Quiet” and P90 Program “Calm” situations
- **Feedback Manager**: cancels out transient feedback created in the real world (i.e. wearing a hat, giving a hug)
- **Impulse manager**: reduces sudden loud sounds such as slamming doors or clattering dishes
- **Noise manager**: reduces uncomfortable environmental noise while maintaining audibility
- **Soft noise reduction**: adjusts very soft input sounds such as fans, air conditioners or clocks ticking
- **Wind manager**: suppresses wind noise

**Chart Key**:
- KS10 items are colored Blue. Phonak P90 items are colored Green
- Each Sound Manager aka Program Option has the description of what it does below the name. When fitting, they are visible when hovering over the name. They are the same for both Phonak and Kirkland.
- Each Sound Manager/Program Option is listed in the colored columns to the far left and can be adjusted according to the scale on the right.
- Programs are managed by the Autosense Program Manager. There are 7 standard Programs with their factory settings shown in the colored columns, “Quiet/Calm”, “Speech in Noise, Loud, Car”, “Comfort”, “Echo”, “Music” and “Partner Mic (TV Con)”. “Partner Mic (TV Con)” is the program that is used when the “TV Connector” is active.
- Custom Programs can be added by the fitter on the Fitting Program Options screen by clicking the + sign to the right of “Program Access”. A Custom Program added here can be selected by a long 2 sec. press on the HA. When selecting programs using the long 2 sec HA button press, the HA will cycle thru “Autosense”, “Custom 1”, “Custom 2”, “TV Connector” etc. You can add up to 4 customs, but I found just adding 1 sufficient. As a Custom example is one I created to emulate Noise Cancelling Headphones. Custom 1 is the program I named “Extreme Noise” and it is the peach colored column.

**Chart Note**:
- All of the Program Options and Managers below use the exact same sliding scale