Manual Programming

If the auto programming sequence fails even after following the troubleshooting steps, the ASWC-1 may be able to be manually programmed to the vehicle. This document only applies to resistive based steering wheel control vehicles (non-data communication vehicles that do not use the Pink wire for steering wheel control). Please read these steps beforehand to have a clear understanding of what is to be expected. This is a timed process. The procedure is broken up into 2 steps for reference, but the entire process must be completed.

Attention! If more than 20 seconds elapses between steps, the procedure will abort.

Vehicle programming section:
1. Turn the key to ignition.
2. Press and hold the Reset button in the ASWC-1 for approximately 15 seconds, or until the ASWC-1’s light flashes slowly Red/Green. Release the Reset button at this point.
3. Press and hold the Volume Up button on the steering wheel until the ASWC-1’s light goes solid Green, then release. The light will then go out indicating Volume Up has now been programmed.
   Note: If the ASWC-1’s light doesn’t go solid Green after 7 seconds, there may be a problem with the vehicle’s Volume Up button.
4. Press and hold the Volume Down button on the steering wheel until the ASWC-1’s light goes solid Green, then release. The light will then go out indicating Volume Down has now been programmed.
5. Continue from Seek Up / Next in the Manual Programming Legend to reference the order in which the steering wheel control buttons must be programmed.
   Note: If a function in the legend is not present on the steering wheel, press the Volume Up button on the steering wheel until the ASWC-1’s light turns on solid Green, then release. This will tell the ASWC-1 to skip that function.
6. After the last steering wheel control button has been programmed, press and hold the Volume Up button on the steering wheel until the ASWC-1’s light flashes slowly Red/Green, then release.

Radio programming section:
7. Press and hold the Volume Down button on the steering wheel until the ASWC-1’s light flashes rapidly Red/Green, then release.
8. After approximately 4 seconds, the ASWC-1’s light will go out for a couple seconds. The light will then flash Red up to 18 times depending on which radio is installed.
9. If the Red flashes do match the radio installed, continue on to step 10. If the Red flashes do not match the radio installed, press and hold the Volume Up button on the steering wheel until the ASWC-1’s light turns on solid Red, then release. Repeat this step for the desired radio number selected. Reference the Radio Legend. Continue on to step 10 from this point.
10. Press and hold the Volume Down button on the steering wheel until the ASWC-1’s light goes solid Red.
11. This is the end of the manual programming sequence. Test the steering wheel controls for functionality.

Manual Programming Legend

<table>
<thead>
<tr>
<th>Function #</th>
<th>Function</th>
<th>Function #</th>
<th>Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Volume Up</td>
<td>10</td>
<td>Band</td>
</tr>
<tr>
<td>2</td>
<td>Volume Down</td>
<td>11</td>
<td>Play / Enter</td>
</tr>
<tr>
<td>3</td>
<td>Seek Up / Next</td>
<td>12</td>
<td>PTT (push to talk)</td>
</tr>
<tr>
<td>4</td>
<td>Seek Down / Previous</td>
<td>13</td>
<td>On Hook</td>
</tr>
<tr>
<td>5</td>
<td>Source / Mode</td>
<td>14</td>
<td>Off Hook</td>
</tr>
<tr>
<td>6</td>
<td>Mute</td>
<td>15</td>
<td>Fan Up</td>
</tr>
<tr>
<td>7</td>
<td>Preset Up</td>
<td>16</td>
<td>Fan Down</td>
</tr>
<tr>
<td>8</td>
<td>Preset Down</td>
<td>17</td>
<td>Temp Up</td>
</tr>
<tr>
<td>9</td>
<td>Power</td>
<td>18</td>
<td>Temp Down</td>
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</tbody>
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Radio Legend

<table>
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<th>Radio #</th>
<th>Radio</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Eclipse (type 1)</td>
<td>10</td>
<td>Clarion (type 2)</td>
</tr>
<tr>
<td>2</td>
<td>Kenwood</td>
<td>11</td>
<td>Metra OE</td>
</tr>
<tr>
<td>3</td>
<td>Clarion (type 1)</td>
<td>12</td>
<td>Eclipse (type 2)</td>
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<tr>
<td>4</td>
<td>Sony / Dual</td>
<td>13</td>
<td>LG</td>
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<tr>
<td>5</td>
<td>JVC</td>
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<td>Parrot</td>
</tr>
<tr>
<td>6</td>
<td>Pioneer / Jensen</td>
<td>15</td>
<td>XITE</td>
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<td>Alpine</td>
<td>16</td>
<td>Philips</td>
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<tr>
<td>8</td>
<td>Visteon</td>
<td>17</td>
<td>TBA</td>
</tr>
<tr>
<td>9</td>
<td>Valor</td>
<td>18</td>
<td>JBL</td>
</tr>
</tbody>
</table>

Keynotes

a. Some vehicles may not retain certain steering wheel control commands from the steering wheel. Non-audio commands may or may not be recognized, i.e., Bluetooth or Menu commands. Known vehicles are GM vehicles with OnStar, and Ford vehicles with SYNC.
b. Aftermarket radios that do not have Bluetooth capability will not recognize the PTT (push to talk) or On/Off Hook commands. However, these buttons may be able to be manually programmed for other commands. Contact the radio Manufacturer for specific commands that the radio will recognize.