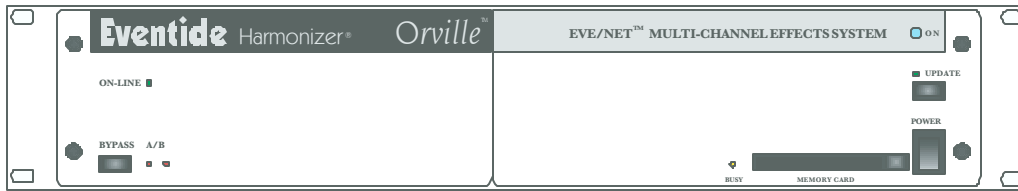# Orville/R User Manual Extension

The Orville/R is a version of the Eventide Orville that is dedicated to remote control operation. As a result, it has a simplified front panel which operates in a different way from the normal Orville. When operated from the EVE/Net remote, or from a personal computer with appropriate software, it will appear to the remote user to be the same as a normal Orville - the differences lie in the startup and upgrade sequences. This document should be read in conjunction with the Orville User Manual and the EVE/Net Remote User Manual. See also note 3 below.

Startup Sequence

❍ The blue "ON" light will flash during startup, and remain on solidly during normal operation once initialization has completed. Should it remain flashing, this implies a startup problem message which will be displayed on the EVE/Net remote. Once the message has been acknowledged, the light will stop flashing.

❍ The green "UPDATE" led will flash during initialization and extinguish during normal operation. It, and its associated key, have other functions described below. Once it has extinguished during startup, the connected EVE/NET console will come on-line (see note 4 below).

❍ The green "ON-LINE" led will be lit steadily when another connected EVE/Net system is detected (corresponding to the "idle" indication on the SETUP/EVENET screen), and will flash when the unit is being controlled by a remote (corresponding to the "active" or "passive" indication on the SETUP/EVENET screen). If a remote is connected to this unit and the led is not lit or flashing, a fault condition is indicated.

❍ During normal operation, the BYPASS key and leds have the same function as on a normal Orville.

Upgrade Sequence

Software upgrades can be performed either from a PCMCIA Memory Card, or via the serial connector on the back panel. To get into Update mode, do the following
1. Power down the unit.
2. Wait a second.
3. Power up the unit
4. As soon as the green UPDATE led starts flashing, immediately press and hold the UPDATE key.
5. Wait until the led stops flashing and remains on before releasing the key.
6. At this time, if an EVE/NET console is connected, it will show the "Orville Update" page. See note 1 below.

Orville/R User Manual Extension

7. The UPDATE led will extinguish and the blue power light will remain on steadily.

8. At this point you can use OUPDATE (see Eventide Web site and note 2 below) to download a software update over a serial connection, or you can follow the next steps to install from a Memory Card.

9. Insert the Memory Card into the slot.

10. The yellow BUSY led will light for about 10 seconds while the card is checked.

11. If the card is OK, the UPDATE led will start flashing. At this point either

    (a) Hit the UPDATE button to start the upgrade, or
    (b) Hit the BYPASS key to cancel.

12. If you choose to perform the upgrade by hitting the UPDATE key, the UPDATE led will go out and the BUSY light will come on, and then flash irregularly, showing that the data is being downloaded from the card. This may take several minutes.

13. Once the update is complete the system will restart.

Re-initialization Sequence

In the unlikely event of your Orville/R being unable to communicate with the remote, you will need to be able to restore the system to a known state via the front panel. This can be done in one of two ways:

    (a) Clear the current setup (same as on the SETUP/SERVICE screen). This will return the machine to factory defaults, load the MUTE preset, but will not erase any stored programs, routings or setups.
    (b) Clear the current setup and erase all stored programs, routings and setups. This will return the system to its ex-factory state.

Re-initialization is a complex sequence and should not be undertaken lightly. Following this, you will need to manually restore all previous settings unless you have taken the wise step of saving your previous setup. To perform re-initialization, study and understand the following instructions and then execute them precisely:

1. Power down the unit.

2. Power up the unit.

3. Watch the UPDATE led start flashing steadily and then extinguish briefly.

4. Once the UPDATE led starts flashing again (i.e. the second time), press and hold the UPDATE key.

5. The UPDATE led will light steadily. Either

    (a) Release it immediately to clear the setup (option (a) above), OR
    (b) Keep it held down until the UPDATE led goes out of its own accord after about two seconds to clear the setup and all stored material (option (b) above).

6. In either case, the unit will return to its startup sequence.

You may also need to reinitialize the EVE/NET remote. See the EVE/NET User Manual for information on this.

Orville/R User Manual Extension

Notes:

1. This requires Boot Rom (located near the mains transformer on the main circuit board) of V1.100 or later. Earlier versions will not connect the EVE/NET console until the end of the full startup sequence. The earlier versions of this Rom are entirely functional, and there is no requirement to upgrade it.

2. With Orville software versions 2.740 and above, the system will detect the new software on restarting and stop to give you the option of clearing the setup (recommended). This will only be visible if the EVE/NET console is connected - otherwise the system will wait indefinitely for a response. See note 5 below.

3. There are a number of parameter changes that can lock out the EVE/NET console and require re-initialization to restore normal operation - these changes serve no useful purpose on an Orville/R and must be avoided. They are prevented in Orville version 2.740 and above:

   - Changing the "range" on the SETUP/EVENET page.
   - Changing the "mode" on the SETUP/EVENET page to "local only."

4. This requires Orville software versions 2.740 and above. Earlier versions will not connect the EVE/NET console until the end of the full startup sequence. See note 5 below.

5. The latest current release of Orville software may be downloaded from the Eventide Web site with the help of a friendly PC.