

The Marina HDMI and Getaway have integrated Extron SW HD 4K HDMI switchers that control the shifting of the video image from the four users “Show Me” cables. This switcher has the ability to recognize the devices connected and through its “EDID Minder®” automatically manage the EDID communications between them.

Below is an excerpt from Extron’s User Manual explaining the EDID Modes.

## EDID Modes

The SW HD 4K switchers use the EDID Minder, which maintains EDID communication to all connected sources, whether or not any of the sources are selected. EDID information consists of the display resolution, refresh rate, data rate, supported audio formats, and other parameters. By factory default, the EDID stored on all inputs contains information for a native resolution of 720p @ 60 Hz, 2-channel audio.

EDID Minder can be configured in two modes: **automatic** (see “Automatic EDID Mode”) and **user-assigned** (see [User-assigned EDID Mode](#) on the next page).

### Automatic EDID Mode

In automatic mode, the switcher automatically stores EDID from the connected display and communicates it to the inputs; no other configuration is required. This is the default mode.

- **Reading and storage process** — Each time a display is connected to the HDMI output while the power is connected, the SW HD 4K reads the EDID from the display device and stores it in memory for each input. This information is retained after the display is disconnected. However, it is overwritten if a new display is connected or a user assigned EDID file is selected.
- **Default EDID** — When the switcher is in automatic mode, the default EDID (720p @ 60 Hz, 2-channel audio) is stored at each input until a display is connected, at which time it is overwritten.

### User-assigned EDID Mode

In this mode, you can select an EDID file that is stored on the switcher. The selected EDID is stored in memory for the inputs and is not overwritten. The switcher does not obtain EDID information from the display.

You may want to use this mode if there is a problem with automatic communication of the EDID information from the attached display, and you want to ensure that the correct information is stored on the inputs. Also, because this mode disables automatic EDID reading and storage, you can retain one set of EDID information on the inputs and not have it changed when another display is connected.

- **Factory-loaded EDID files** — You can select from a list of 12 EDID files that are loaded on the switcher at the factory. Each EDID file contains a unique native resolution and audio support if applicable (see [EDID Table](#) on page 24 for a list of EDID files that are provided with the switchers).
- **User-loaded EDID files** — In addition to the 12 EDID files provided with the switcher, two empty memory locations (slots 14 and 15) are provided. Use these memory locations to save the EDID of the display that is currently connected to the output port of the switcher. These two EDID files can be selected as one of the user-assigned EDID files.

For more information see the complete Extron SW HD 4K User Guide (9065-0360)