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## **Bittree's Programmable Patchbay Now Offers Switched Grounds**

Bittree's new 489-S Series of Programmable Long-Frame Audio Patchbays allows you to program switched grounds – in addition to programming bussed, isolated and looped grounds as before.

Switched grounds are ideal for systems with audio signals coming from numerous sources, because they provide a more stable audio-grounding structure. With switched grounds, the ground always follows the patchcord when inserted – or the normal when not inserted – providing a direct connection between source and destination. This method keeps the ground connected while also keeping the circuit isolated.

As with all Bittree Programmable patchbays, the 489-S Series allow you to change normals and grounds for individual circuits simply by changing the shunt arrangement under the designation strips. This flexibility allows integrators and installers to quickly re-configure patching systems, accommodate customer change-orders, and speed service-calls.

Visit [Bittree.com](http://Bittree.com) for information about other series of programmable patchbays.

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