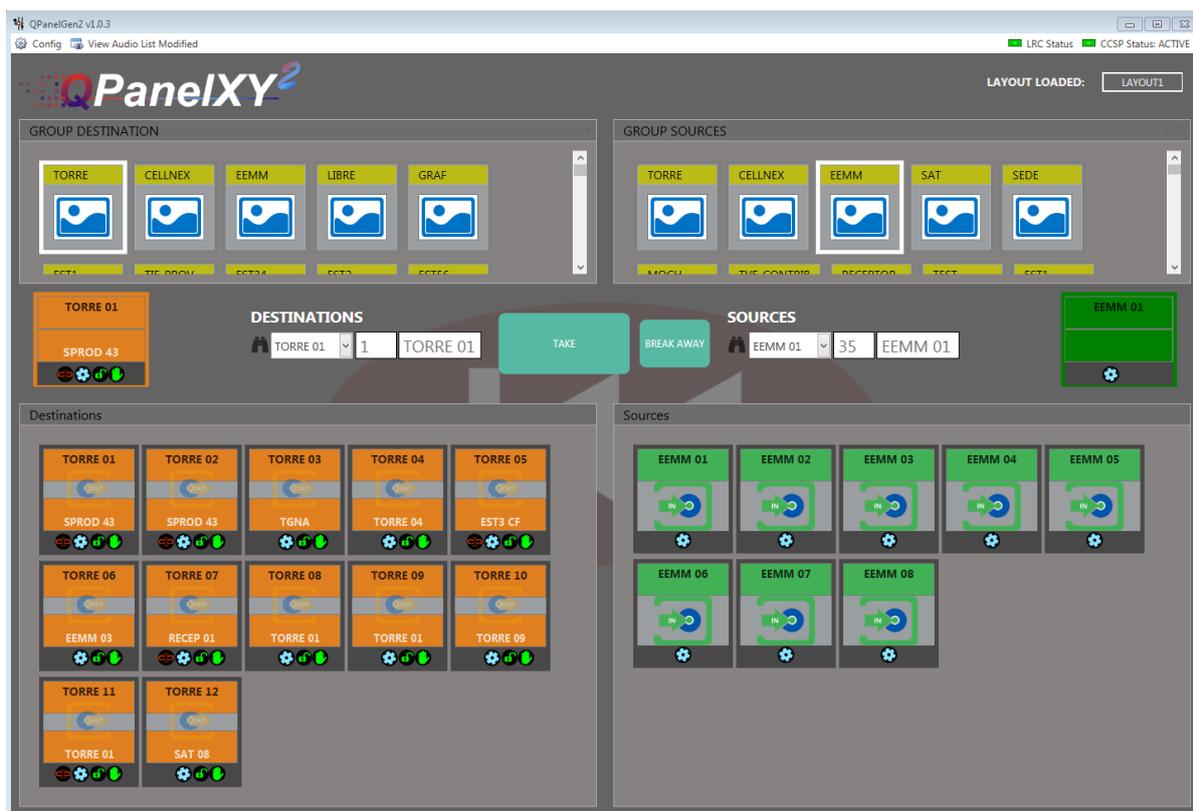QPanelXY[2] is an integrated virtual panel envisaged to complement the *Imagine Communications*[TM] routers hardware control panels portfolio. The panel takes full control of Platinum/IP3 routers combining the straightforward operation of a hardware panel with the advanced *Navigator*[TM] control features.

The panel allows primary XY switching capabilities, sources and destinations can by grouped for easy operation access in a friendly graphical interface. Each source and destination is represented by a single button featuring built in controls, so the operator can Lock or Protect each destination in an easy and quick way.

The filter combo box allows a quick search of destinations or sources resources when a fast switching is required and there is no time for visual navigation.

QPanelXY[2] can be configured with different layouts, each layout has a different set of groups, so by recalling layouts the user can reconfigure the panel "on the fly" for different scenarios (sports, live programs, etc).

When the router is equipped with boards featuring audio processing (Embedders, De-Embedders, AES, etc), the panel can execute Breakaway audio-video cross points and edits their advance audio parameters.

The parameter window allows the user to edit key audio settings with a simple and visual interface. This interface can access up to 16 audio channels that can be controlled in pairs through the audio pair functionality. Moreover, the operator can create presets for these parameters and apply them on demand.

QPanelXY^2 assigns a default value for each audio parameter by configuration, this allows the application to identify non-default parameters values and inform the operator accordingly.

Main Features:

- Video routing control.
- Destination Lock and Protection.
- Audio routing control (audio breakaway).
- Customized group creation for sources and destinations.
- Advance audio parameters control (Audio Level, Mute, Tone, Swap, Summing, etc).
- Audio presets creation for sources and destinations.
- Identification of parameters with non-default values.
- Operation Logs.
- Implementation of CCSP and LRC protocols.
- Centralized configuration with QPanelConfigurator.
- Navigator^{TM} database import for base configuration.

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