

DID YOU KNOW THAT...?

SYSTEL IP TV IS THE PERFECT SOLUTION FOR TV'S TECHNICAL INTERCOMMUNICATIONS

Eases flexible and generic control of Systel IP equipment, in what relates to external routing of intercom systems and other commonly used applications in TV production centers and similar environments. These are some of the specific features related to TV production added to SYSTEL IP Original ones:

- Accept incoming calls manually or automatically, label calls, put them on air or leave them in a multi-conference group.
- Leave calls listening to their assigned (N-1) feedback.
- Put the calls on air, routing them to the assigned internal audio circuit.
- Leave calls in different multi-conference groups, where all group members can participate talking and listening at the same time.
- Allow the operator to talk to all lines separately or, alternatively to all the group members at the same time.



- 1 Editable remote party number and name.
- 2 Line input and output level adjustment.
- 3 (N-1) feedback assignment.
- 4 Audio presence, Line number & call direction indicators.
- 5 Make, hang up calls and consult remote party.
- 6 Hang up call.
- 7 Call and line status and time elapsed for that communication.
- 8 Status bar: User, Program, Studio, Handset and Clock.
- 9 Reject Calls prevents incoming calls to be queued.
- 10 Activates the auto-answering function for incoming calls.
- 11 A 4-wire circuit is configured for each line, that can be assigned to faders or intercom ports.
- 12 Leave calls in different multi-conference groups, where all group members can participate talking and listening at the same time.
- 13 Activates and deactivates the permanent-call mode.
- 14 Handset input and output level configuration.

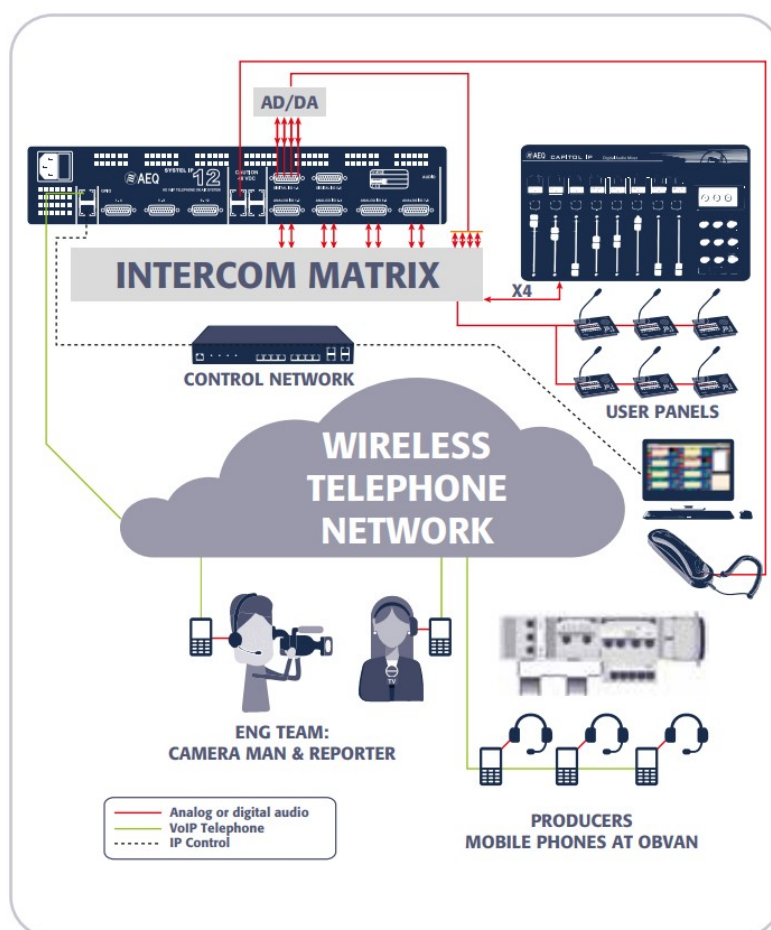
Systel IP TV Screen

USAGE SCENARIOS

SYSTEL IP 12, typical operation of SYSTEL IP TV application relating to the Intercom system

This is how an actual customer in Madrid operates. They use Systel IP TV version.

A Systel IP connected to the external 4-wire inputs/outputs of a Drake matrix used to generate the external communications of its studio. It can establish up to 12 calls in total. 12 queues have been planned in Systel, with an independent return for each queue, so that 12 4-wire circuits are established from Systel to the matrix. This matrix only has analogue inputs, so a multichannel A/D-D/A converter has been installed to use the Systel IP 12 digital inputs / outputs.



The operator establishes the communication with the remote parties using a handset. The intercom matrix establishes bidirectional routings with the console and complex party-line routings with different panels according to each production's requirements.

The main application is coordination with ENG teams through mobile phones. The journalist receives program and coordination returns in his earpiece. The cameraman, in turn, communicates with a 4-wire circuit through a micro-headphone installed on his phone with a party-line circuit programmed in the matrix.

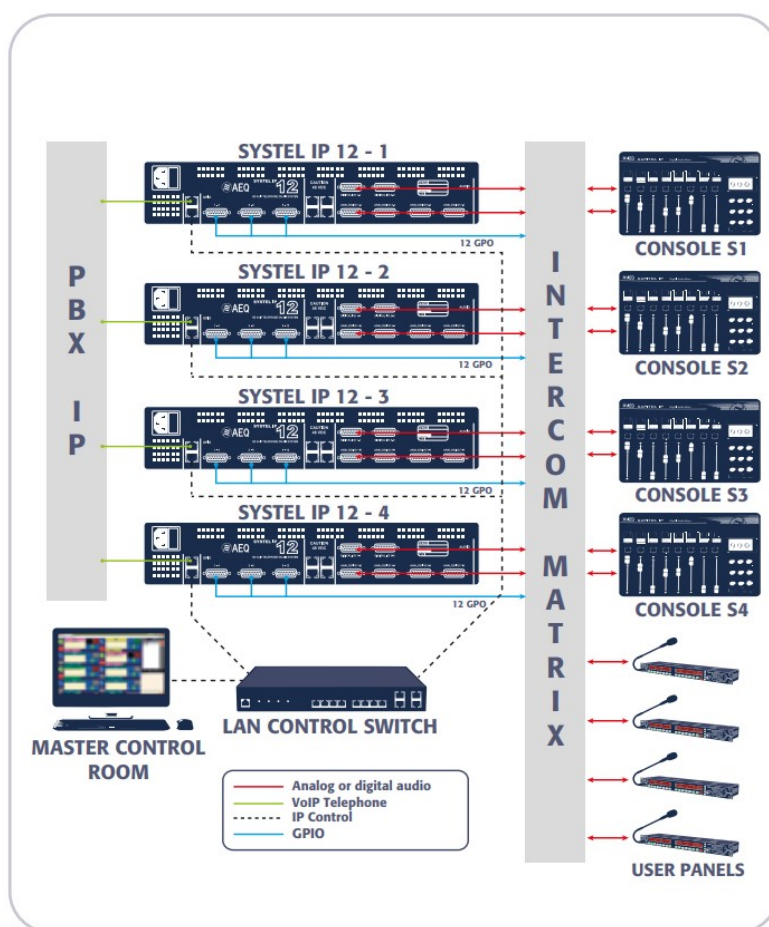
When working with a OB van, at least 3 4-wire circuits are established with it, which are integrated into a specific intercom group.

4 SYSTEL IP12 devices related to an Intercom system

This is the operating scenario or another actual customer in Lisbon. They use the “Classic” version of Systel IP control application.

They have 4 Systel IP12 connected to the external 4-wire inputs/outputs of a Riedel matrix used to generate the external communications of their TV studios. Up to 48 calls can be established in total. 12 queues have been planned within each Systel, with an independent return for each queue, so that each Systel establishes 12 4 - wire circuits with the matrix.

What makes this installation different is that each GPO provide pre-programmed instructions in the intercom matrix for the sending of the call to each corresponding studio console with a 4-wire circuit. In order to do that, the “Show GPO” option must be activated in the user permissions section. The operator establishes the communication with the remote party. When it is ready, Systel IP application leaves the GPO button active.



When the operator presses it, it provides a command to the Intercom matrix so it establishes a bi-directional route with the corresponding console or intercom panel using a pre-programmed circuit. When the call is hug, the GPO button is deactivated until a new call is established. The ON

AIR button is always open with an established call by means of the “Call ON AIR” option.

The Queue out outputs are always active and the associated GPO is controlled from the applications’ button. Fixed associations have been defined between GPO and I/O lines, that is, the queue on Dig 1L output is always associated to GPO 1, Dig 1R with GPO 2, ...Dig 4R with GPO 8, Analog 1 with GPO 9, ...and Analog 4 with GPO 12.

The operator uses Windows 10 multiple-desktop option in order to control the 4 instances of Systel IP 12 on the same screen.

Systel IP TV projects are designed to the client’s specific needs. Ask us!