

Univox[®] TV Sync

Digital TV Sync unit for flat-screen TV



Features

- Digital synchronization of the sound to eliminate echo and delay problems with LCD and plasma TV's
- Works with any TV and any Assistive Listening Device (ALD)
- Small and easy to use
- Automatic built-in Scart/Euro control (cable included)
- Two 3.5mm mic/line inputs
- Automatic level control using Univox Dual Action AGC
- LED indication of mains power connection

No more echo or lip sync problems thanks to TV Sync

Problem to be solved

Loop amplifiers or other Assistive Listening Devices (ALD's) installed in conference rooms, hotel receptions and private homes are often connected to a TV. But with modern flat plasma or LCD screen TV's many customers experience problems: Lip-sync and echo effect problems. The video processing in new flat screen TV's makes the picture delayed. On most TV-sets the audible sound (TV speakers) is delayed correspondingly. However, the sound from the Scart/Euro-connector or other audio output, to which the ALD is connected, is not delayed. The result is that the viewer experiences lip sync problems and a very annoying echo effect, i.e. the sound can be heard both from the ALD (real time) and from the speakers (delayed).

Solution

Univox TV Sync is an easy and automatic solution to this problem. It can be used with all kinds of ALD's, like hearing loops, IR or FM systems and can be connected to all kind of TV-sets. The built-in AutoScart function switches automatically to the active Scart/Euro-connector unit. All inputs are level controlled using the Dual Action AGC-circuitry to achieve a constant level with high speech intelligibility.

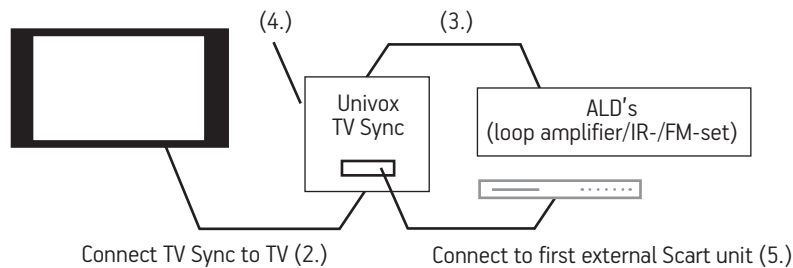
This is how it works

Univox TV Sync delays the sound from the Scart/Euro-connector or audio output to match the delayed sound from the TV speakers. By turning the TV Sync control knob the sound can be delayed (2-35ms) to achieve a perfect echo free lip-sync. Just listen and adjust.



Basic instruction

1. Ensure that the Scart-system is working correctly, see note below Scart/Euro system function.
2. Connect Univox TV Sync directly to the TV-sets Scart 1 output or other signal sources using 3.5mm connectors
3. Connect TV Sync's output connector to the ALD (loop amplifier, IR or FM set)
4. Slowly adjust the TV Sync control knob, using a small screw driver, until no echo effect can be heard
5. Connect any external Scart/Euro unit/s in serial to TV Sync



This is how it works

Univox TV Sync delays the sound from the Scart/Euro-connector or audio output to match the delayed sound from the TV speakers. The Scart connector is plugged into the TV-set Scart 1 output and the first external unit (digital box, satellite receiver, DVD, VHS etc) is plugged into the Scart outlet on the main body of TV Sync. The delayed sound is then fed into the hard-wired 3.5mm cable which is connected to the loop amplifier's 3.5mm line input. If the loop amplifier hasn't got a 3.5mm input various adaptors are available. By turning the TV Sync control knob the sound can be delayed (2-35ms) to achieve a perfect echo free lip-sync. Just listen and adjust. TV Sync is connected to a mains outlet with the included switched power supply. Proper mains connection is indicated by a LED on the side of the TV Sync.

Scart/Euro-system function (1.)

Ensure that the TV works correctly together with your digital box/satellite receiver/VHS/DVD before you start the installation. All the external video units have to be in serial for the Scart/Euro system to work automatically and correct. If there is more than one Scart output on your TV, normally Scart 1 is preferred. All external video units but the last have to have in and out Scart/Euro connectors. With correct Scart /Euro connections both picture and sound change automatically when changing active unit, for example from satellite receiver to DVD. The automatic sound/picture change does not work if TVSync is connected to another type of audio output of the TV.

Technical notes

Scart/Euro connector: Input sensitivity 10mV-1V rms.

3.5mm input connector: 0.7mV-5V rms

Output level: Regulated 0.9V rms

Part No 203060 Univox TV Sync, Sound sync unit with built-in AutoScart, incl. power supply



For additional information, please refer to User Guide/Installation Guide and CE Certificate which can be downloaded from www.univox.eu. If required, spare part list or other technical documents can be ordered at support@edin.se.