# Univox® TV-200

## Environmental friendly loop amplifier for flat screen TV with built-in TV Sync

### Features

- Built-in TV Sync, no echo effect, for flat screen TV
- Environmentally friendly: 98% efficiency, 50% of the weight, >90% less copper (compared to traditionally built amplifiers)
- Full AutoSCART switching
- 7 inputs, including 2 SCART-connectors
- Sensitive mic input with phantom power
- 24V output for external device
- Efficient equalizer for metal loss compensation
- LED's: input (green), loop function (blue), supply voltage (yellow)
- 110-240VAC or 12-24VDC (battery/backup)
- Indication signal in loop for door/phone

### Improved sound quality and user friendly!

Univox® TV-200 is the first in a whole new generation of loop amplifiers, based on the knowledge of reliable Univox® loop systems since 1965. There are many new built-in features necessary for flat screen TV sets.

Environmental friendliness has been substantially improved with a new electronic design. There is no conventional transformer resulting in 90% reduction of copper, lower current consumption with over 90% efficiency and 50% reduced weight compared to traditionally built amplifiers.

User friendliness is improved by introducing a new two stage AGC and an equalizer for metal loss correction which enhance speech intelligibility and listening comfort. A new indication feature is built-in, allowing for acoustic signals in the loop if the door bell or phone is ringing. Wide bandwidth harmonic signals, with an override facility, secure easy signal detection for every kind of hearing loss.

Sound quality has significantly been improved thanks to the built-in electronic transformer, eliminating modulation distortion at high power output.

TV features include built-in TV Sync (digital delay), solving the major problem with flat screen TV sets and loop systems. Fully automatic switching SCART connectors secure easy connection to an external device like a DVD or digital box.
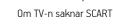
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## Technical data

| | | |
|---|---|---|
| **Power supply** | | 110-240VAC, primary switching power supply |
| | | 12-24VDC as primary power or backup. 12V will reduce the output |
| **Coverage area** | | 170m² according to IEC 60118-4, 1-turn loop, free field |
| **Loop output** | Max current | 16App, short-circuit driven |
| | Max voltage | 24Vpp (open output) |
| | Frequency range | 70-5000Hz (±3dB) |
| | Distortion | <1% |
| | Connection | Screw terminal |
| **Inputs** | Microphone/Line Mic | 2-250mV/5kΩ (12-24V phantom) |
| | 2 x RCA, In3 | 35mV/5kΩ |
| | SCART | 35mV-10V/5kΩ |
| | Screw terminal, In1 | 35mV-10V/5kΩ |
| | Screw terminal, In2 | 25mV-10V/5kΩ |
| **Dual Action AGC** | Working range | >60dB |
| | Attack time | 2-500ms |
| | Decay time | 0,5-20dB/s |
| **Controls** | Metal loss control | Treble control, 0 - +18dB, internal control |
| | Loop adjustment | Potentiometer control |
| **Indications** | Power connected | Yellow LED |
| | Loop current | Blue LED |
| | Input signal | Green LED |
| **Other** | Dimensions | 255x135x47mm (WxHxD) |
| | Weight | 1kg |
| | Colour | Black |
| | Part no | 212011 |

## OBS!

| | | |
|---|---|---|
| | Tvåstegs-AGC | Tiderna är beroende av vilken kanal som är aktiv |
| | Om TV-n saknar SCART | Använd vår mikrofon 13A art.nr. 242401, som klistras på högtalargallret |

## Accessories

| Part No | Description |
|---|---|
| 241205 | JTS NX-9, Handheld electret microphone, XLR plug, excl. cable |
| 241501 | 13T, Electret boundary mic, 3.5mm plug, Ø80/H16mm, cable=3m |
| 241601 | M-1, Goose neck microphone for table, 3.5mm plug, cable=1.5m |
| 242401 | 13A Microphone for speaker, velco, 3.5mm male, cable=1.8m |
| 242407 | 13V, Electret microphone for wall mounting, 3.5mm plug, cable=1.8m |
| 247103 | Round table stand for handheld microphones, Ø100mm/H27/100mm |
| 281015 | Audio cable, 3.5mm plug stereo to 2xRCA plugs, 1.5m |
| 281016 | Microphone cable, XLR socket to 3.5mm plug stereo, 2.5m (for JTS-NX9) |
| 283240 | Univox Room loop cable roll, 0.75mm2, incl. 50 clips, light grey, 30m |
| 581050 | Tie clip microphone, 3.5mm plug, cable=1.1m |
| 861023 | Flat copper foil, 25x0.1mm=2.5mm², glued isolation, 100m roll |
| 861025 | Flat copper foil, 12.5x0.1mm=1.25mm², isolated, 100m roll |
| 861030 | Double-sided tape, width 25mm, 25m roll |
| 861032 | Double-sided tape, width 50mm, 25m roll |

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.