Special Recording Systems LLC

Voice Modification Device "SRS Femida Audio Interface VC12"

❒ Application Area



The voice modification device "SRS Femida Audio Interface VC12" is designed to ensure the unrecognizability of the protected person (witness, victim, etc.) and exclude restoration of the original voice using a similar device, other technical means or using sound editing software.
The device can be used for both male and female voices. Integration with intercom and video conferencing systems (both hardware and software) allows for remote interrogation during the court session.

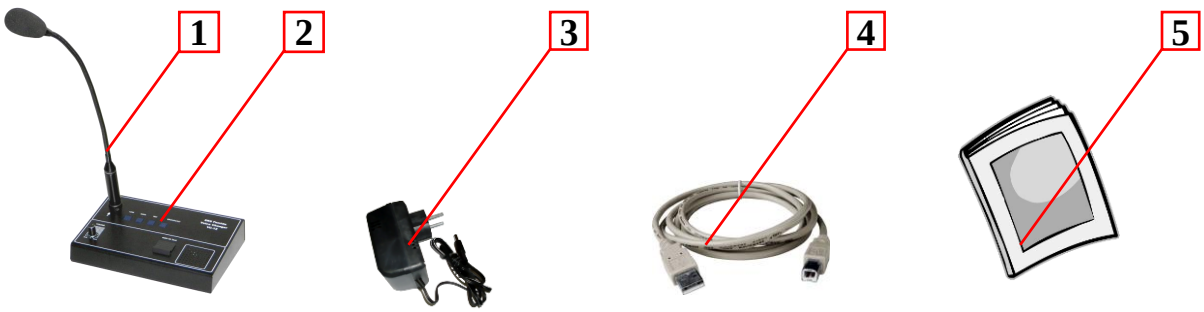
❒ Main Functions

- Real-time voice modification without hearable delay
- Impossibility of the original voice restoration
- Automatic voice modification modes: low timbre, high timbre
- Same modified timbre for different speakers
- Elimination of individual voice and gender signs (monotone mode) with possibility to enable and disable this mode
- Good speech intelligibility
- Broadcast of unmodified voice is excluded
- Balanced microphone input with phantom power
- Analog line inputs/outputs
- AGC and threshold noise reduction for inputs
- USB interface for connecting to a PC
- Desktop all-in-one design
- Built-in push-to-talk button
- Built-in speaker with volume control knob

❒ Delivery set*

1. Condenser microphone "SRS CM-14" – 1 pc.
2. SRS Femida Audio Interface VC12 – 1 pc.
3. Power adapter – 1 pc.
4. Interface cable USB Type A - USB Type B for connecting to PC – 1 pc. (optional).
5. User manual – 1 pc.

** The appearance of the goods may differ from the appearance in picture.*
** Additional components may be delivered as spare parts.*



❒ Technical Specifications

Name	Description
Operation modes	• Low voice with monotone effect • High voice with monotone effect
Inputs	• Microphone with phantom power • Linear
Outputs	• Linear • Headsets (adjustable) • Digital USB
Nominal level of input signal on microphone input	2,5 ÷ 25,0 mV (AGC, Limiter, and Noise Gate are used)
Nominal level of input signal on linear input	1000 mV
Nominal level of output signal on linear output	1000 mV
Frequency range of input signal	70 Hz ÷ 3600 Hz
Acceptable frequency range of main tone of input signal	70 Hz ÷ 400 Hz
Range of transformation of main tone frequency	± 1 octave
Range of speech formants transformation	± 1 octave
Voice delay inserted by the system	<50 ms
Nominal signal power at output for headsets	30 mW
Intrinsic noises level	-78 dBu
Type of connected microphone	Condenser, super-cardioid
Operational requirements	• Operation mode: continuous • Ambient temperature: -10 ÷ +40 °C; • Relative humidity: <80 % at +30 °C; • Atmospheric pressure: 630 ÷ 795 mmHg

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