KV-8DAB CHANNEL CONVERTER

OPERATING INSTRUCTIONS

KV-8DAB is a channel converter for digital audio broadcasting signals. Triple SAW filter selectivity and low phase noise makes KV-8DAB perfect for DAB signal. Input and output can be adjusted on 36 DAB channels 5A to13F. Output and input frequencies can be adjusted on frequency range 174.928- 239.200 MHz on channel step of DAB channel chart.

INSTALLATION

KV-8DAB must be installed in a dry and locked room. Sufficient air current must pass around the unit. Do not cover the air passage holes.

The signal source is connected to **RF IN** connector and the **RF OUT** is connected to the cable network. The power supply is connected to **DC IN** connector. Use the power supply equipped only.

PROGRAMMING

KV-8DAB converter is controlled with the push buttons **UP**, **DOWN** and **SELECT.** When KV-8DAB is powered, it goes to "lock mode".

To open the locking code press **UP**, **DOWN** and **SELECT** at the same time. Firstly release **UP** and **DOWN** and then **SELECT**. The display lights up showing the input channel number of KV-8DAB.

Note! There is interference in the signal during programming. The interference disappears after programming is ready and display is switched off.

The input channel of KV-8DAB can be changed now with the **UP** and **DOWN** push buttons.
After selecting the required input channel **wait about 5 seconds** until the **LOCK**-led lights up and the channel is stored.

Press **SELECT.** The output channel can be changed now with the **UP** and **DOWN** push buttons.
After selecting the required output channel **wait about 5 seconds** until the **LOCK**-led lights up and the channel number is stored.

Press **SELECT.** The output level can be changed now with the **UP** and **DOWN** push buttons.
After selecting the required value of attenuator (**L 0**…**-20**) **wait about 5 seconds** until the **LOCK**-led lights up and the frequency is stored. Programming is ready now. KV-8DAB goes to lock mode in few seconds.

TECHNICAL SPECIFICATION

Input frequency	174.928…239,200 MHz
Output frequency	174.928…239,200 MHz
Modulation standard	COFDM
Bandwidth	1.6MHz
Input level	46…76 dBuV
AGC range	30 dB
Output level	max. 112 dBuV (adjustable –20 dB)
Spurious	≤ 55dB

GENERAL

Input impedance	75 ohm
Output impedance	75 ohm
Power	15V/500 mA
Operating temperature	0…50^0 C
Dimensions	110 mm H * 130 mm W * 40 mm D