

## The SP2016 STEREO SYNTHESIS

Factory Program Number F2B

STEREO SYNTHESIS is a program that takes one channel in and simulates stereo out. It is designed for two purposes. It can be used by broadcasters to enhance mono audio signals for radio or television and by musicians to enhance the mono signal from a musical instrument such as a guitar or keyboard.

The parameters for STEREO SYNTHESIS are:

INPUT MODE: MONO                      BANDWIDTH: 16kHz

<u>PARAMETERS</u>	<u>RANGE</u>	<u>DEFAULT</u>
INTENSITY	1 to 5	2
SPREAD	1 to 5	2
AIR/INSTRUMENT	AIR or INSTRUMENT	AIR

<u>SOFTKEY FUNCTIONS:</u>	<u>DEFAULT</u>
MONO altering with STEREO	STEREO

### WHAT'S GOING ON:

INTENSITY allows the user to vary the STEREO effect from subtle (position 1) to more extreme (position 5).

SPREAD determines the apparent width of the stereo sound stage. There are actually ten settings. Five are for broadcast use, and five are for musical instrument applications.

AIR/INSTRUMENT increases the maximum spread for instruments and decreases it for broadcast. The broadcast position's spread is limited to avoid unnatural effects, especially on voice. It also displays the status of the SPREAD and INTENSITY parameters.

### SOFTKEY: MONO/STEREO

These softkeys enable and disable the STEREO function. When PRESS FOR MONO is pushed, the two stereo channels are summed together proving the mono compatibility of the program. Pushing PRESS FOR STEREO reenables the stereo effect.