

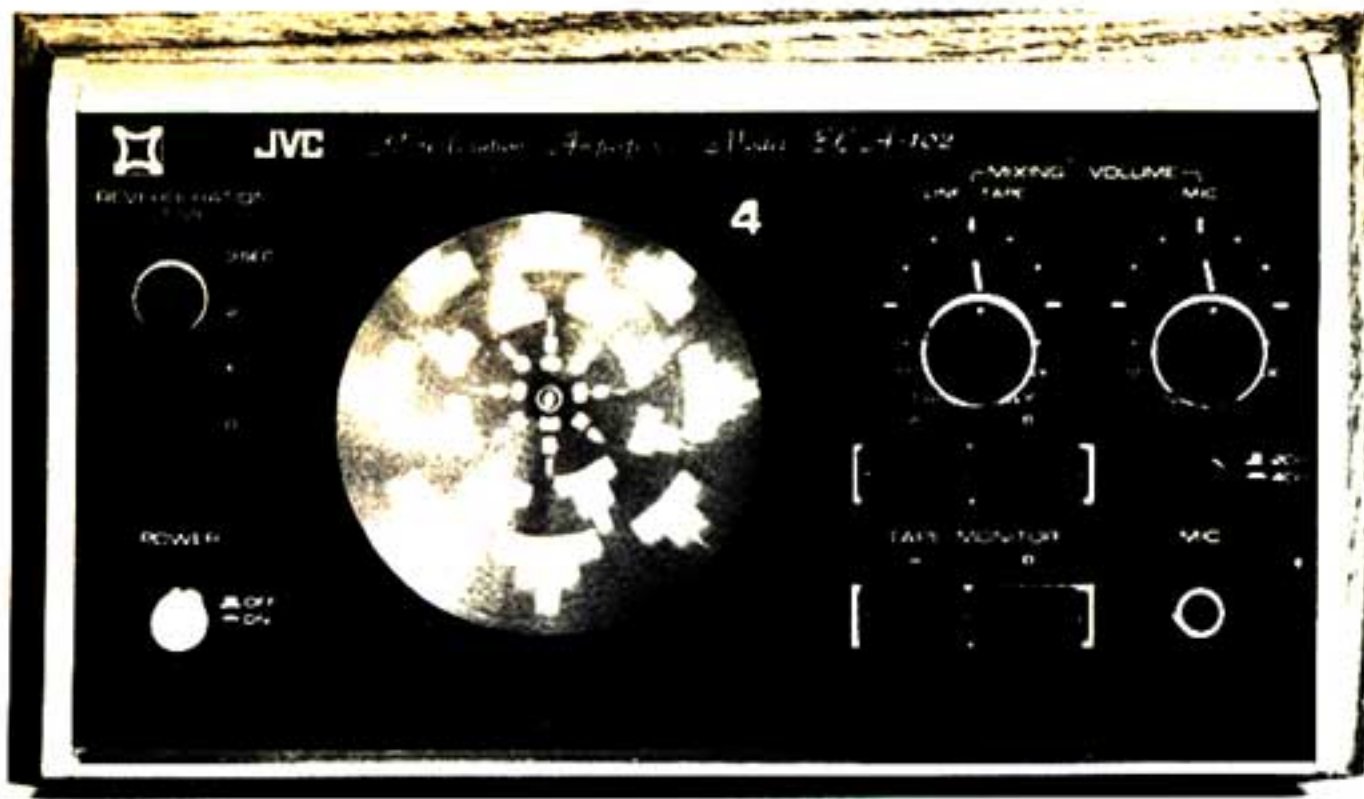
JVC
NIVICO

ECA-102

“RADAR SCREEN”

REVERBERATION AMPLIFIER





JVC Adds New Color and Depth to Your Stereo Listening.

Right in your own home, you can now enjoy the richer depth and realism achieved in professional sound studios, thanks to the all-new JVC ECA-102 'Radar Screen' Reverberation Amplifier. Simply hook it up to the tape recording and playback terminals of your amplifier or receiver, and everything you hear takes on an enriched vibrance and realism—radio broadcasts, discs, tapes, even your own voice. A double pickup-type unit with a reverberation time significantly better than any similar product now available, the compact, solid state ECA-102 is crammed with advanced circuitry, to achieve such outstanding performances characteristics as a S/N ratio of 70dB while restricting distortion to a miniscule 0.2% or less. One of the very few reverberation amplifiers you can find with a mixing control circuit, the ECA-102 can handle two tape recorders simultaneously and permits adding the pleasing echo chamber effect either during recording or playback. It can even permit the surround stereo effect so much in demand today. Off, the ECA-102 has the look of a TV screen test pattern, but in use it takes on the appearance of a colorful radar screen, with green and white "blips" forming a geometrical KALEIDOSCOPIIC effect around a bright red "eye." Encased in a rich, natural wood cabinet, it can do much to enrich your stereo listening pleasure and to enhance the overall appearance of your stereo system. The ECA-102 from JVC. The 'Rader Screen' Reverberation Amplifier that lets you zero on the big sounds of stereo today.

Sophisticated Reverberation Effect

The ECA-102 represents an important advance in the achievement of more realistic reverberation or echo chamber effects. This is because, unlike the old single pickup type reverberation amplifiers, the double pickup ECA-102 is able to coordinate the sound from

both channels, which means that the reverberation effect is far more natural and realistic than was heretofore possible.

0 to 3 Second Reverberation Time

A graphic front panel sliding time control can be moved up or down to minimize or maximize the time delay between the instant the reverberation effect is added and when it is actually heard. This continuously adjustable control also permits regulating the duration of the reverberation effect from zero to 3 seconds, a significantly better span than that of any other similar unit on the market.

'Radar Screen' Reverberation Indicator

Green and white "blips" light up on the ECA-102's "Radar Screen" reverberation indicator as the degree of reverberation is intensified, and form a KALEIDOSCOPIIC pattern around the red eye in the center. The colorful effect fades as reverberation is reduced, and pales to a series of grey concentric circles when the unit is turned off. You know at a glance whether the system is in use.

Unprecedented Versatility

There are any number of ways in which the ECA-102 can contribute to greater stereophonic listening pleasure. And watching pleasure, too. It permits the special echo chamber effect to be added to the signals from a tape recorder, a disc, a radio broadcast, even to the sound of your own voice. Another special virtue is that the ECA-102 permits simultaneous recording and monitoring of these enriched sounds with a three-head tape recorder. With a two-head tape recorder you can monitor the sound as it is about to be recorded. And the unit's twin tape monitor circuits permit the more complex chore of adding reverberation to the sound from one tape recorder while simultaneously monitoring it and rerecording it on the other, or adding it to both tape recorders simultaneously. The tape decks may, of course, be any type—reel-to-reel, cassette, cartridge player.

Surround Stereo Effect

The ECA-102 is complete with a front panel push-button mode selector which, when in 4-channel use, permits connecting a second amplifier, to which a second pair of speakers can be hooked. When so employed, a quasi 4-channel or surround stereo effect can be achieved, and the numeral 4 will appear in Green at "one o'clock" above the radar screen indicator.

Add Reverberation When You Wish

Unlike some less sophisticated products of this type, the JVC ECA-102 allows you to add reverberation effects whenever you wish, either during recording or during playback. A front panel Tape Mode Selector governs this function.

Microphone Mixing Possible

The ECA-102 is complete with a built-in microphone mixing circuit and a front-panel microphone jack, so you can mix your voice with the signal from the line input or tape monitor terminals. And you can also add reverberation to the resultant sound to produce from a single microphone a lively, exciting effect very akin to 4-channel stereo sound. This can be accomplished by a simple adjustment of the Reverberation Time Control.

SPECIFICATIONS

Transistors	14	Reverberation time	0-3sec. Variable	Mode selector	PUSH TYPE
Diodes	2	Delay time	25±5m/sec.	Reverberation mode	4CH-2CH (2CH ON-OFF)
Frequency response at Reverberation time min.	±2dB (20Hz-40kHz)	Output voltage	0.775V at 1kHz	Mode selector	Push type
at Reverberation time max.	±20dB (20Hz-40kHz)	Reverberation time min.		TAPE MODE	TAPE PLAY A,B
Signal to noise ratio	70dB	Input jack	Input level 0.775V	Dimensions	5 1/4"H x 9 3/4"W x 13 1/4"D
Harmonic distortion	Less than 0.2%	Output jack	INPUT	Weight	10 lbs.
Reverberation time min.	at 1kHz 0.775V Output	Mixing control	TAPE MONITOR A,B		
			MICROPHONE		
			FRONT OUTPUT		
			REAR OUTPUT		
			TAPE REC. A,B		
			LINE (or TAPE) -MIC.		

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