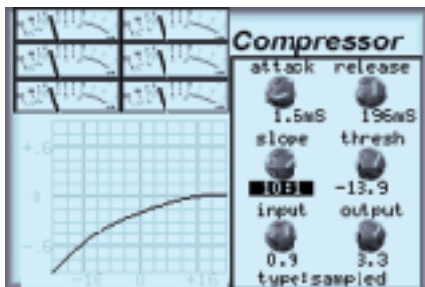## The Sintefex Replicator FX8000

- · **Unique digital process that learns and simulates analogue effects**
- · **Preserves your analogue effects for an ever more digital future**
- · **Lets you apply your favourite mono or stereo effect across a stereo or surround mix**
- · **Over 1000 internal memories with unlimited back-up to PC**
- · **A growing library of Classic EQ simulations with analogue sound**

You sample an analogue processor by first getting the exact sound you want to capture and then letting Replicator pass a whole set of signals through it. Replicator analyses the signal path at high and low levels and can then simulate the effect by means of the unique patented **dynamic convolution** algorithm which re-creates the frequency and phase response of the original processor as well as the way it changes when you drive it harder.

Replicator also analyses the way compressor gain reduction works and can simulate a complete set of gain curves of a compressor so you can have full control over the simulation later.

Samples are stored on the internal hard disk. No computer is necessary to make Replicator work. Samples may be uploaded or downloaded by MIDI or USB to a suitably equipped computer for session archiving or for transfer over the internet or to other users.

Replicator also provides additional digital EQ, compression and "after effects" to complete the sound processing package.

Classic EQ

In addition to samples of your favourite equipment Replicator also offers Classic EQs which are factory made multi-sampled effects combined from many hundreds of individual samples of EQ units and integrated with a graphical control panel to offer the sound and function of popular analogue equalisers.

Specifications

2 - 8 channel digital effects simulator with analyser capability.

Full re-creation of non-linear and especially analogue sounding effects using 32-bit floating point processing with 24-bit precision. Over 6 Gigaflops of processing power (8-channel machine). 10 - 37 SHARC® 60MHz floating point DSPs. (2 - 8 channels).

1024 sample memories and 1024 program memories allows recall of numerous compressors, equalisers, tape and valve effects. Additional memories for factory effects up to capacity of 3Gbyte disk. All memories arranged in banks with 128 memories per bank for MIDI remote program change.

All sample rates 30kHz to 96kHz.

Sintefex Audio Lda.

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Channel Sections

(Fitted in pairs from 2 to 8 channels)

Balanced analogue inputs and outputs with 24-bit converters and AES digital input and output (2-channels per interface, all sampling rates) via multi-way connectors for easy wiring to patch bays. Professional analogue levels +18dBu for OdBFS. Customised in 2dB steps from +10dBu to +24dBu.

Unbalanced analogue inputs and outputs via RCA phono pin jacks at consumer levels for instant project studio connectivity.

Master Section

- BNC word clock and AES reference XLR input.

- USB B socket and MIDI in/out for remote control and computer connection.

- Optical input and output for SPDIF and ADAT®* multi-channel interface.

- SPDIF* coaxial input and output for consumer-type digital connection.

- Analogue mix output* (+10dBu for OdBFS) on RCA phono pin jacks.

- Instrument input on mono 1/4" jack.

Analyser Section

For sampling external effects devices by feeding Replicator analysis tone through the device to be sampled into any selected Replicator input. Analysis tone output available on balanced XLR and low level 1/4" jack.

Physical/General

2U 19" rack mount unit w 482 h 88.6 d 400. Power supply 110 or 230VAC, 50/60Hz.

*Sampling rates up to 48k only.

Specifications subject to change without notice. Contact your supplier if any specification is essential to your application. ADAT® is a registered trademark of Alesis Studio Electronics Inc and is used under licence. SHARC® is a registered trademark of Analog Devices Inc.

Dealer Stamp