USER BULLETIN #1

RELEASE OF ZETA THREE VERSION 2.00 SOFTWARE

December 16, 1987

Version 2.00 software is now in production, and an upgrade kit is available, free of charge, to all Zeta Three owners.

The kit contains . .

2	EPROMS containing the software
1	IC Removal Tool
1	Manual Addendum (MIDI Section)
1	Reset Modification Printed Circuit Board
3	User Bulletins . .

#1 Release of Version 2.00

#2 Installation of Version 2.00

#3 Installation of Reset Modification

MIDI SOFTWARE

The reason for the release of Version 2.00 is the inclusion of an entirely new MIDI SYNCRONIZATION section.

The capabilities of this section are well documented in the Manual Addendum supplied with the software update.

THIS MANUAL SHOULD BE READ CAREFULLY BEFORE ATTEMPTING TO OPERATE ANY MIDI FUNCTIONS OF THE ZETA THREE.

ENHANCEMENTS

Despite the size of the MIDI task, much work has also been done in other areas of the Zeta Three.

The most significant non-MIDI enhancements found in Version 2.00 are as follows . .

A 50% increase in the number of transports available in the transport select menus.

"Odd" capstan frequency outputs for support of non-standard machines.

Parked and Locked status outputs for interface to Convergence ECS-220 series editors.

"Digital dubbing" lock modes for Mitsubishi and Otari digital recorders. (Marked **/D** in the slave transport menu.)

New lifter defeat and audio muting algorithms.

A special mode for detecting "time code only" masters, allowing better handling of time code problems when time code is the ONLY communication from the master transport.

Search-With-Picture modes for Sony 5600 and 5630 VCR's.

Long advances (up to 9999 1/4 frames) for event outputs to better allow triggering of talent cueing devices.

A new "Auto-Edit" mode may be invoked for the IN
and OUT registers (see menu Z02) . .
> In this case, when an IN point is Captured or
> modified, the same time code is entered into
> the Event 1 register, and the IN point MINUS
> 5 SECONDS PREROLL is entered into the GOTO
> register.
> When an OUT point is Captured or modified,
> that time is also entered into Event 2, and
> the OUT time PLUS 2 SECONDS POSTROLL is
> entered into the END register.

Automatic REVERSE JAM capability has been
installed in the Generator. This allows adding
time code to the BEGINNING of a tape by jamming
new code while running the tape backwards.

Holding down the LEFT-HAND-SIDE SHIFT key while
pressing the DISPLAY key now toggles the display
backwards through its loop. This saves having to
go forward 5 steps in order to go 1 backwards !

RESET MODIFICATION

In some areas of noisy AC power or severe static, the
Zeta Three has occasionally suffered from a spurious
reset problem, resulting in some very unhappy data
being written to the Non-Volatile portion of the
memory.

Symptoms of this problem typically involve the
transport control outputs being "stuck", with the
transport permanently in stop, fast forward or rewind
modes.

Due to the severity of this effect, Adams-Smith has
undertaken to retrofit ALL Zeta Three's with the Reset
Modification included in the Version 2.00 software kit.

IT IS HIGHLY RECOMMENDED THAT THIS MODIFICATION BOARD
BE INSTALLED IN ALL ZETA'S, WHETHER OR NOT ANY PROBLEMS
HAVE BEEN EXPERIENCED.

User Bulletin #3 outlines the installation procedure,
which may be performed at the time of the software
update.