ADAMS · SMITH

USER BULLETIN

**ZETA-THREE USER BULLETIN #16**

# ZETA-REMOTE

**Version R1.30 Software**

**Installation of Version R1.30 Software and RAM Expansion Kit**

**Oct 29, 1990**

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**NOTE:**

**TO USE ALL OF THE FUNCTIONS DESCRIBED HERE, EACH ZETA-THREE MUST BE AT SOFTWARE LEVEL 3.60 OR HIGHER AND THE ZETA-REMOTE MUST BE AT SOFTWARE LEVEL 1.30 OR HIGHER.**


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# A. ZETA-REMOTE R1.30 NEW FEATURES

## A.1 MEMORY BANK SELECTION

If multiple recording projects or users are operating the same ZETA-REMOTE, each user or project can have their own set of Autolocator/Edit memory and customized Function keys.

The ZETA-REMOTE now supports four banks of memory. One bank consists of 100 Autolocator points, 100 Edits and 6 Function keys. One of four banks (0-3) may be selected by holding down SHIFT/RECORD/MEMORY and then selecting bank 0-3 on the ZETA REMOTE keypad.

The current bank can be identified by holding RECORD/MEMORY.

To select a new bank press SHIFT/RECORD/MEMORY and enter bank 0-3 on the ZETA-REMOTE keypad.

## A.2 AUTOMATIC MEMORY INDEXING

When using the CAPTURE key to load values into the ZETA-REMOTE memory from the upper display, the memory can automatically index to the next memory location so that multiple points of interest may be rapidly captured.

While looking at any memory location:

Press RECORD/INDEX UP to turn the memory auto index mode on.

Press SHIFT/RECORD/INDEX UP to toggle the memory auto index mode on/off.

## A.3 SETTING MEMORY DECIMAL POINT IDENTIFIERS

When keying in data to the Remote memory, the current system master status (left most enabled) will be forced into the memory decimal point identifiers. This allows manual data entry of timecodes that are associated with a transport automatically, in the same way that captured data is automatically associated with the transport.

To force the memory to remember the transport with which the keyed in data is to be associated, simply enable only the transport desired. If no transports are enabled, the value will be linked to the current system master when used, with no automatic offset translation.

(please see ZETA-REMOTE manual for more information on memory decimal point identifiers.)

## A.4 JOG/SHUTTLE COMMANDS

These require ZETA-THREE software 3.6 or higher and proper setup of the jog/shuttle constants.

Holding RECORD and repetitively pressing the FF/REW keys will sequentially step through jog speeds 0-7 forward or reverse. The jog speed will be maintained as long as RECORD is held down.

Pressing SHIFT and FF/REW will sequentially step through the shuttle speeds 0-7 forward or reverse. The shuttle speed will be maintained until a normal transport command such as PLAY, STOP, FF or REW is pressed.

## A.5 PUNCH OUT ON PLAY

The ZETA-REMOTE will now punch out of record with a PLAY command in addition to the traditional RECORD/STOP command.

## A.6 EXTRA FUNCTION KEY FORCING VECTORS

It is now possible to force several important modes to known states during the execution of Function keys. This is important because it allows more powerful and flexible setups to be programmed into Function keys.

SHIFT/RECORD/#7 - *FORCE LOOP MODE;* `LOOP = OFF`

SHIFT/RECORD/#8 - *FORCE EDIT MODE;* `AUTO EDIT = OFF`

SHIFT/RECORD/#9 - *FORCE RECORD/REHEARSE MODE;* `IN/OUT = RECORD`

SHIFT/RECORD/STORE - *FORCE EVENT #01;* `E_01 DISPLAY IS SELECTED`

SHIFT/RECORD/EVENT within a function key selects the event number for a "wait for event" function pause. When not in a function key, the key vector selects E_01 for quick access to a known event position.

(Please see Remote manual for additional forcing vectors)

SHIFT/LEVEL - FORCE LEVEL 0
RECORD/SHIFT/LEVEL - FORCE LAST LEVEL
} from T.S. - Oct 23/93

## A.7 DIAGNOSTICS SUPPORT

The ZETA-REMOTE now supports all of the ZETA-THREE diagnostics menus.

SHIFT/RECORD/MASTER - ZETA-THREE DIAGNOSTICS

SHIFT/RECORD/SLAVE - ZETA-THREE AND ZETA-REMOTE VERSIONS

SHIFT/RECORD/MENU - ZETA-REMOTE KEY AND DISPLAY TEST

## B. INSTALLATION OF R1.30 SOFTWARE AND RAM EXPANSION

*NOTE: WHEN INSTALLING THE RAM EXPANSION, ALL MEMORY VALUES IN THE ZETA-REMOTE AUTOLOCATOR WILL BE LOST. WRITE DOWN ANY VALUES YOU WISH TO RETAIN BEFORE BEGINNING INSTALLATION PROCEDURE.*

1. Turn off the power to the Zeta-Three and disconnect the Remote from its cable.

2. Remove the two screws from the bottom of the remote and carefully slide the bottom cover *away* from the narrow end of the Remote. *(A ribbon cable will disconnect from the circuit board, this is normal.)* Be sure to note how the ribbon cable was connected before sliding bottom cover all the way off.

3. There are two circuit boards attached together, carefully separate the two boards. The EPROM (U4) for the Remote is located on the smaller board which separated from the main board.

4. Locate U4 (R1.01 or R1.20) and remove the installed EPROM using the extractor tool provided.

5. Install the new EPROM labelled R1.30 in position U4.

   THE NOTCH IN THE END OF THE EPROM BODY MUST FACE TOWARDS THE MIDDLE OF THE CIRCUIT BOARD.

   Installing the EPROM around the WRONG way can result in the DESTRUCTION of the EPROM.

   Make sure that none of the pins have missed the socket and bent under the body of the EPROM. Careful alignment of the pins before applying any insertion force can help a lot. (You may have to use your fingers to do this - just be careful.)

6. Locate U5 (DALLAS DS1225) and remove the existing RAM using the extractor tool provided.

7. Install the new RAM labelled DALLAS DS-1235 NONVOLATILE RAM in position U5.

   THE NOTCH (DOT) IN THE END (CORNER) OF THE RAM BODY MUST FACE TOWARDS THE MIDDLE OF THE CIRCUIT BOARD.

   Installing the RAM around the WRONG way can result in the DESTRUCTION of the RAM.

   Make sure that none of the pins have missed the socket and bent under the body of the RAM. Careful alignment of the pins before applying any insertion force can help a lot. (You may have to use your fingers to do this - just be careful.)

8. Now, re-connect the small circuit board to the main board being VERY CAREFUL TO ALIGN ALL OF THE PINS ON THE CONNECTOR.

   Place the ribbon cable back on the connector (ribbon wires come from the top of the connector) and slide the bottom cover back in place. Add the two screws and the installation is complete.

9. Now we must perform a special POWER UP SEQUENCE that will erase all of the Remote Memory and Function keys.

   PERFORMANCE OF THIS SEQUENCE IS MANDATORY IMMEDIATELY AFTER INSTALLING NEW SOFTWARE.

   Connect Remote to its cable.

   On the Remote, hold down the three keys, SHIFT, CURSOR, and CAPTURE.

   KEEP THEM HELD DOWN.

   TURN ON THE ZETA POWER SWITCH WITH THE KEYS STILL HELD DOWN.

   The displays `"*** REMOTE RESET ***"` and `"REMOTE VERSION R1.30"` will be seen.

   DO NOT RELEASE THE SHIFT, CURSOR, CAPTURE KEYS until the usual `"G_TC"` and `"M_TC"` displays come up.

   If there is any problem here, then give it one more try. If the problem persists, then re-check your installation. If the problem still persists, then CONTACT YOUR DEALER (OR THE FACTORY) IMMEDIATELY.

   Otherwise, your Zeta-Remote is now ready to use again.