

# DA-60mkII

## QUICK TIPS

**Note:** Whenever this document directs you to “Hold SHIFT and press MENU ▲ or ▼” to arrive at a particular screen, you can use the alternate procedure of “Hold SHIFT while rotating the DATA DIAL.” While both methods accomplish the same task, you may find rotating the Data Dial preferable.

After changing system parameters in the various edit screens, pressing either MENU ▲ or ▼ will exit you back to the main screen.

### **AUTO CUE** (Cue to Modulation)

- 1) This function requires use of the Memory Start feature, and its performance is directly affected by the Auto Cue Sensitivity level

### **AUTO CUE SENSITIVITY LEVEL**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen #6 "AtcuE"
- 2) Press DATA, current parameter value will blink (Memory Start Standby mode must be disengaged)
- 3) Rotate DATA DIAL either clockwise or counter clockwise until desired value is displayed
- 4) Press SET to confirm new parameter value

### **CAPTURE OFFSET**

- 1) Hold SHIFT and Press MENU ▲ or ▼ until you arrive at screen display “-tc-cLoSE” (if display reads “oPEn”, proceed to step 3)
- 2) Press DATA (“cLoSE” will blink), rotate DATA DIAL to “oPEn” - press SET
- 3) Press MENU ▲ or ▼ until "■ CHASE OFFSET" appears in the upper right display
- 4) While holding SET, press CHASE - the smaller of the two Time Code displays will be the current offset value

Note: It is assumed that Time Code is being fed to the DA-60MKII from an external device.

To Trim or Clear the Offset:

- 5) Press MENU ▲ or ▼ and select "■ CHASE OFFSET"
- 6) Press DATA - the "hour" digits of the offset screen will blink and successive presses of DATA enable you to cycle from "minutes" to "seconds" to "frames" to "sub frames" and back to "hour"
- 7) Enter the desired value using the DATA DIAL and DATA key - upon completion, press SET

## **CHASE LOCK SYNCHRONIZATION**

- 1) Set CLOCK and EXT SYNC switches to the positions appropriate for your environment and verify connections
- 2) For most applications, hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "23 cHaSE XX" (XX = Free or Re-Chase), press DATA, rotate DATA DIAL, select "rEchASE" and press SET
- 3) Verify that Time Code is being fed to the DA-60MKII's Time Code IN port from the master device
- 4) Press CHASE

Note: It is essential that the Time Code type is identical across all devices in the system. If using WORD Clock, sampling frequencies must also match.

## **CHECK DA-60MKII SYSTEM VERSION**

- 1) Displayed at Power On

## **COPY ID PROVISIONS**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "4 coPy"
- 2) Press DATA and rotate the DATA DIAL to select one of the three available options, then press SET to confirm the operation

Note: "id-6 00" - any number of digital copies can be made

"id-6 10" - no digital copies can be made

"id-6 11" - only one digital copy is possible, copies may not be duplicated

## **CROSSFADE TIME**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "9 FAdE XX" (XX = current value)
- 2) Press DATA - the current time value will blink
- 3) Rotate the DATA DIAL until the desired value is displayed
- 4) Press SET to complete this procedure

## **EXTERNAL TIME CODE DISPLAY**

- 1) Press MENU ▲ or ▼ and select "■ EXT TC"

## **MEMO POINT CAPTURE AND AUTOLOCATE**

- 1) As tape plays, press either MEMO 1 or MEMO 2
- 2) To autolocate to either memo point, press LOC 1 or LOC 2

## **MEMO POINT TRIM**

- 1) Press MENU ▲ or ▼ and select either "■ MEMO1" or "■ MEMO 2" (this is visible in the upper right of the display)
- 2) Press DATA- the "hour" digits of the memo address screen will blink and successive presses of DATA enable you to cycle from "minutes" to "seconds" to "frames" and back to "hour"
- 3) Using the DATA DIAL and DATA key, trim the memo address to your liking
- 4) Press SET to confirm the edit

## **MEMORY START PLAY**

**Unless you are starting from the beginning of a program, you should first capture a locate point using one of the two MEMO locations.**

- 1) Press MEMORY START - its LED will light solid
- 2) Press either ID SEARCH ( for beginning of desired program ) or the LOC key ( either 1 or 2 ) that corresponds to the desired memory point
- 3) Tape will position itself and store audio into the memory buffer during which time the MEMORY START LED blinks
- 4) Once the buffer is loaded, the tape repositions to the original cue point and the MEMORY START LED once again lights solid - the STOP button lights solid while the PLAY button blinks - the DA-60MKII is now in Memory Start Standby mode

Note: The Memory Start function's performance may vary, depending upon the status of the Auto Cue feature. Screen 12 "iSdFt" and its three possible parameters (oFF, iS on, iS-cuE on) determines whether only MEMORY START or a combination of MEMORY START and AUTO CUE is automatically activated each time the unit is turned on. "Off" is the default parameter. Consult the Owner's Manual for more information.

## **MEMORY START POINT TRIM**

- 1) While in Memory Start Standby mode, press DATA - you will hear an audio loop approximately 200 msec. in length
- 2) Rotate DATA DIAL either clockwise or counter clockwise, loop moves forward or backwards in single frame increments (maximum  $\pm 30$  frames from original point)
- 3) Upon reaching the desired cue point, press SET - to abort function and return to original point, press RESET

## **MEMORY START PREVIEW (Audition Buffered Audio)**

- 1) Press REHEARSAL - function dependent upon Memory Start feature

## **OFFSET**

- 1) Press MENU ▲ or ▼ and select "■ CHASE OFFSET"
- 2) Press DATA - the "hour" digits of the offset screen will blink and successive presses of DATA enable you to cycle from "minutes" to "seconds" to "frames" to "sub frames" and back to "hour"
- 3) Enter the desired offset using the DATA DIAL and DATA key - upon completion, press SET

## **P2 EXTERNAL CONTROL SETUP**

- 1) Set REMOTE to ON
- 2) Set CLOCK to VIDEO or WORD
- 3) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "26 SYncP", press DATA (current status will blink)
- 4) Rotate the DATA DIAL to "on" and press SET
- 5) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "--P2--", press DATA (current status will blink)
- 6) Rotate the DATA DIAL to "oPEn" and press SET

- 7) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "9P-id", press DATA (current device will blink)
- 8) Rotate the DATA DIAL to select the device that best suits your controller and press SET
- 9) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "SPEEd", press DATA (current status will blink)
- 10) Rotate the DATA DIAL to select the speed that best suits your environment (9x or 150x normal play speed upon receiving a fast wind command) and press SET
- 11) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "JoG-Ed", press DATA (current status will blink)
- 12) Rotate DATA DIAL to "on" and press SET

### **PLAYBACK TIME CODE SOURCE**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "-tc- cLoSE" (if display reads "oPEn", proceed to step 3)
- 2) Press DATA ("cLoSE" will blink), rotate DATA DIAL to "oPEn" - press SET
- 3) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "21 Pbtc Auto" ("tc" or "AbS" may already be assigned in place of "Auto")
- 4) Press DATA ("Auto" will blink)
- 5) Rotate DATA DIAL to make selection (Auto, AbS, or tc), then press SET

Note: "Auto" is the default condition where ABS time is displayed if no SMPTE code is detected. "AbS" or "tc" may be selected for viewing Absolute Time or SMPTE Time Code.

### **PROGRAM NUMBER DURING RECORDING**

- 1) Press MENU ▲ or ▼ until "P-000" (or some other number) appears to the right of the counter display
- 2) Press DATA
- 3) Using either the DATA DIAL or the RESET key, enter "000" and press SET
- 4) Hold SHIFT and press SET - a second number "000" will appear to the right

Note: With AUTO ID enabled, the DA-60MKII will now automatically enter program numbers with each new Start ID beginning with "1" while in ASSEMBLE MODE.

### **PROGRAM NUMBER LOCATE**

- 1) Press MENU ▲ or ▼ until "P-000" (or some other number) appears to the right of the counter display
- 2) Press DATA
- 3) Rotate the DATA DIAL and select the desired program number
- 4) Press SET, then LOC 1

### **PROGRAM NUMBER / RENUMBER**

- 1) Select EDIT SUB MODE
- 2) Press ID SELECT until "RENUMBER" is displayed
- 3) Press EXE - tape will rewind and program number "1" will be written at the first Start ID the system detects

## **PUNCH IN/OUT (Auto)**

- 1) Use the Memo Point Capture function, treating LOC 1 as the Punch In point and LOC 2 as the Punch Out point
- 2) Place the DA-60MKII in EDIT AUDIO MODE
- 3) Press AUTO IN/OUT, its LED will light solid

Rehearsal:

- 4) Press REHEARSAL - tape will locate to the preroll position prior to the punch in point and stop (the AUTO IN/OUT LED will blink)
- 5) Press PLAY - at the IN point the DA-60MKII will flip from Tape to Source Monitor, and then back to Tape Monitor at the OUT point, tape will rewind and stop after 3 second postroll

Take:

- 6) With AUTO IN/OUT blinking, press RECORD - RECORD key will blink
- 7) Press PLAY, the procedure will be executed

## **PUNCH IN/OUT (Manual)**

- 1) Place the DA-60MKII in EDIT AUDIO MODE
- 2) Press MONITOR until "TAPE" shows in the display
- 3) Press PLAY, at IN Point tap RECORD (DA-60MKII will monitor "SOURCE")
- 4) At OUT Point tap PLAY (DA-60MKII will monitor "TAPE")
- 5) Press STOP

## **PULL DOWN**

- 1) Set CLOCK to VIDEO
- 2) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "14 bAnd", press DATA (current status will blink)
- 3) Rotate the DATA DIAL to "nrr oFF" and press SET
- 4) Make certain the Time Code format is "30ndf / 30df"
- 5) Video In signal = 29.97 Hz

## **PULL UP**

- 1) Set CLOCK to: [INT without a 30 Hz video signal] or to [VIDEO with a 30 Hz video signal]
- 2) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "14 bAnd", press DATA (current status will blink)
- 3) Setting: [Without a 30 Hz video signal - N/A], or [With a 30 Hz video signal - "nrr oFF"] - press SET to confirm
- 4) Make certain the Time Code format is "29.97ndf / 29.97df" with or without a 30 Hz video signal
- 5) The VIDEO IN signal = 30 Hz
- 6) Pitch Change: [Without a 30 Hz video signal: +0.1% VARISPEED], N/A with a 30 Hz video signal

Note: N/A represents non-applicable

## **RECORD / WRITE MODES**

- 1) ASSEMBLE MODE - both AUDIO and SUB CODE LEDs in the REC FUNCTION area of the DA-60MKII are lit, permitting recording of both audio and subcode data
- 2) EDIT AUDIO MODE - Only the AUDIO LED in the REC FUNCTION area of the DA-60MKII is lit, permitting recording / editing of audio data without affecting the subcode data
- 3) EDIT SUB MODE - Only the SUB CODE LED in the REC FUNCTION area of the DA-60MKII is lit, permitting post striping of Time Code or editing of Start IDs

## **START ID ERASE**

- 1) Select EDIT SUB MODE
- 2) Press ID SELECT until "START ID ERASE" appears in the upper left of the display
- 3) Locate the tape to a higher counter position than the Start ID you wish to erase, then press EXE - tape will rewind and erase the Start ID, as confirmed by the blinking START ID ERASE in the display

Note: This operation will require you to execute the RENUMBER operation as it makes any following program numbers out of sequence.

## **START ID RECORD** (Manual entry after audio has been recorded)

- 1) Select EDIT SUB MODE
- 2) Press PLAY, then EXE at the desired point (START ID WRITE will blink - confirming this operation)

To precisely enter a START ID point:

- 1) During PLAY, Press MEMO (1 or 2) at the point where you want to mark the Start ID
- 2) After a few seconds, press STOP
- 3) Using the Memory Start function, press LOC (1 or 2) and then trim this position to your liking
- 4) Press EXE - a Start ID will be written at the trimmed position

Note: As long as parameter screen "5 At-id" is not set to "oFF", Start IDs will automatically be written during Assemble recording mode once the currently selected trigger level is exceeded. "AUTO ID" will show in the display.

## **STRIPE EXTERNAL DEVICE WITH TIME CODE**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "-tc- cLoSE" (if display reads "oPEn", proceed to step 3)
- 2) Press DATA ("cLoSE" will blink), rotate DATA DIAL to "oPEn" - press SET
- 3) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "22 rEFtc 30 ndF" (or some other specified frame rate)
- 4) Press DATA - the currently displayed frame rate will blink
- 5) Rotate the DATA DIAL to select the desired frame rate and press SET
- 6) Press MENU until "■ GEN TC SET" is visible in the upper right of the display

- 7) Press DATA - the "hour" digits of the generator starting address screen will blink and successive presses of DATA enable you to cycle from "minutes" to "seconds" to "frames" and back to "hour"
- 8) Enter the desired generator starting address using the DATA DIAL and DATA key - upon completion, press SET
- 9) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "24 tcGEN oFF"
- 10) Press DATA ("oFF" will blink), rotate DATA DIAL and select "FrEE run"
- 11) Place the external device into record, then press SET on the DA-60MKII - Time Code is output at the defined starting address the moment SET is pressed
- 12) To stop the generator, hold SHIFT and press MENU ▲ or ▼ until you return to screen display "24 tc GEN FrEE run"
- 13) Press DATA, rotate the DATA DIAL to "oFF" and press SET

Note: To view Time Code numbers as they are being generated, press MENU until "■ GEN TC" is visible in the upper right of the display.

## **STRIPE TAPE WITH TIME CODE**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "-tc- cLoSE" (if display reads "oPEn", proceed to step 3)
- 2) Press DATA ("cLoSE" will blink), rotate DATA DIAL to "oPEn" - press SET
- 3) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "22 rEFtc 30 ndF" (or some other specified frame rate)
- 4) Press DATA - the currently displayed frame rate will blink
- 5) Rotate the DATA DIAL to select the desired frame rate and press SET
- 6) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "24 tcGEN oFF"
- 7) Press DATA ("oFF" will blink), rotate DATA DIAL and select one of the three options: "rEC run, FrEE run, J-SYnc" - depending upon your application
- 8) Press SET to confirm selection
- 9) Press MENU until "■ GEN TC SET" is visible in the upper right of the display
- 10) Press DATA - the "hour" digits of the generator starting address screen will blink and successive presses of DATA enable you to cycle from "minutes" to "seconds" to "frames" and back to "hour"
- 11) Enter the desired generator starting address using the DATA DIAL and DATA key - upon completion, press SET
- 12) Place the DA-60MKII into either ASSEMBLE or EDIT SUB mode using the REC FUNCTION switches (for new tape you must use ASSEMBLE)
- 13) Rewind tape to beginning if positioned at an intermediate point
- 14) If EXT or VIDEO is selected as the system reference source, start the external device (if not, proceed to step 15)
- 15) Hold RECORD and press PLAY to start
- 16) To stop the system, press STOP

Note: To view Time Code numbers as they are being generated, press MENU until "■ GEN TC" is visible in the upper right of the display

### **SYNC / SYSTEM REFERENCE SOURCE**

- 1) INT - For use if the DA-60MKII is operated as a stand-alone unit or is to be slaved to an analog audio recorder
- 2) EXT - For use if the DA-60MKII is to be slaved to a digital audio recorder
- 3) VIDEO - For use if the DA-60MKII is to be slaved to VTRs

### **TAPE TIME CODE CONFIRMATION**

- 1) Hold SHIFT and press MENU ▲ or ▼ until you arrive at screen display "20 tPtc"

Note: If the type of Time Code on tape is unknown, this parameter will provide the necessary information.