

G SERIES COMPUTER REFERENCE CARD

This card has been designed as a quick reference guide to users who are reasonably familiar with G Series and Ultimition software. The features described herein apply to current software – G4 and U3. Full details of all facilities can be found in the G Series Computer Operator’s Manual

Bold type indicates command keys, normal type QWERTY keys. Lower case type and unbracketed single letters indicate user supplied names and numbers (n). Mandatory spaces are indicated by the symbol _

DATA CARTRIDGE AND DISK DRIVES

BEGIN EX	Re-loads program
FORMAT EX	Formats new Data Cartridge (DC) (5 mins) or 3.5" Reel Disk (1 min). A must!
LABEL EX	Sets choice of REEL size if using DC or 'labels' Reel Disk as required. Essential!
ALTER EX	Stores current List page info for further transfer to REELS and Reel Disks
LOAD EX	Loads the default floppy
FLOPPY EX	Makes 8" disk current Reel Disk
MINI EX	Makes 3.5" disk current Reel Disk
DI EX	Displays remaining current Reel space

GENERAL

SIGN_	EX.....	Changes Program start sign on message
HERE EX		Makes a NOW cue point for use in locate command lines.
? HERE EX		Displays current timecode value
SET_CL EX		Sets Time and Date clock
TI EX		Displays clock
DELETE (whatever) EX		Whatever must be specified. The item name of the TITLE, MIX etc may be abbreviated as usual
SETUP EX		Accesses Setup Menu (customising pages)

Time as referred to here by	a) Last time specified
TIME can be:	b) Timecodes hh:mm:ss.ff or hhmmssff
	c) Feet' Frames
	d) TITLE, MIX, CUE, HERE, DROP-IN

(t) indicates a specific value of time i.e. .6(6 frames), 3.(3 secs) etc.

TIMECODE

Flashing SMPTE, EBU, DF TC or FILM	System is set (incorrectly) for this type of timecode. Solid display when set correctly
Flashing smpte, ebu, df tc or film	System needs to be reset to this type of timecode in Setup Menu
SMPTE?, EBU?, DF TC? or FILM?	Wrong Speed/ Tach rate. Wrong Master machine selected in Setup Menu
SMPTE*, EBU*, DF TC* or FILM* ????	No Tach Synchroniser gone away
LARGE/SMALL key	Toggles large display of current timecode or Sync page with current page display
SMPTE, EBU or STRIPE EX	To generate timecode. Set type in Setup Menu
OFF_TIME EX	Sets up REEL/ Reel Disk offset
OFF_ :	Cancels REEL/ Reel Disk offset
SP_30 (or 15) EX	Changes Speed on List page. (MUST be correct for current Master machine)

BAR/BEATS

TITLE LIST EX SETUP	Displays Tempo Map
nnn.n EX	With cursor in Tempo column, defines tempo in the range 40-400 BPM
0 EX	Enables entry of Tempo by tapping any key (<i>not</i> EX). Hit EX to enter value
3 EX 4 EX, 7 EX 8 EX etc.	Enters time signature
TRACK key	Displays Bar value of 'To' times
GOTO nn# EX	Locates to Bar nn
BB EX	Toggles display of Bar/Beats and Timecode
DELETE key	Hit twice to delete entire Tempo Map

TAPE CONTROL

GOTO (TIME) EX or PLAY (TIME) (TO TIME) EX ...	If TIME is not entered, the last specified target is assumed
HERE EX	Sets a NOW target for GOTO EX, PLAY EX etc. or Mix data changes
PLAY FROM TIME (TO TIME) EX	Plays for ever if TO time is not specified
CYCLE ((FROM TIME) TO TIME) EX	Cycles from last locate target if FROM TIME is not specified
PLAY CYCLE EX	Reinstates an interrupted cycle
CYCLE EX	Cycles to NOW from the last specified locate target
+/- (t) EX	Overrides Setup Menu default time value of +/- keys
+/- EX	Locates and plays
+/- GOTO EX	Locates and parks
+/- CYCLE EX	Locates and cycles
Q EX	Toggles the option to locate the machine to target without preroll

REELS

NB. The REEL key replaces the SEQUENCE key used on E Series keyboards

NAME REEL Name EX	Creates and names REEL on the current DC
NAME REEL (A) or (B) Name EX ..	Creates a REEL on a specific drive
REEL Name EX	Makes that REEL current
REEL (A) or (B) Name EX	Makes that REEL and that DC current
REEL (A) or (B) Name	Lists TITLES on REEL 'Name' and makes first TITLE on list current
TITLE EX	Makes Title A on REEL X current
REEL X TITLE A EX	Deletes the named REEL. Fairly lethal!
DELETE REEL Name EX	Deletes the named REEL. Fairly lethal!
REEL X NAME Y EX	Renames REEL X

NB. When defining DC with (A) or (B) the brackets must be entered in command line.

LISTS

(LIST) REEL EX	Displays REEL List
(LIST) REEL (A) or (B) EX	Lists REELS on DC in A or B drive
LIST EX	Displays Information page of current REEL or Reel Disk

(LIST) TITLE, TRACK or MIX etc EX	Gives a list of the specified item
TITLE LIST EX	Accesses Notes Pages for reading or writing
NAME TRACK (n) EX	Enables TRACK List entries
Left/ Right cursor keys	Scan through CUES, MIX, SYNC PRESET, TR SETUP, TRACK, NOTES pages
Up/Down cursor keys	Give alternative information associated with TITLE, MIX and TR SETUP lists

NAME TITLE (FROM TIME) (TO TIME) EX	Enters new TITLE
NAME TITLE (Name) (TO TIME) EX	Enters new TITLE starting at current time and ending at TIME
TITLE (Name) FROM TIME EX	Changes TITLE start time (and re-sorts list)
TITLE (Name) TO TIME EX ...	Changes TITLE end time
TITLE END TIME EX	As above
TITLE END EX	Clears TITLE end time
TITLE (Name) NAME (New Name) EX	Renames title. Same syntax used for cues, mixes etc.

CUE EX	Defines CUE point at current time, computer numbered
CUE Name AT TIME EX	Defines a named CUE point at TIME
CUE (Name) TO TIME EX	Changes time of CUE point (and re-sorts list)
CUE (Name) +/- (t) EX	Nudges cue time by one frame if it is not specified
REVISE CUE FROM CUE X TO CUE Y TO TIME EX	Re-sorts Cue List so that CUE X is now at TIME and subsequent Cues on the list up to Y are time shifted accordingly

DELETE ALL CUE, MIX SETUP etc EX	Deletes all items on the specific list
DELETE CUE 1 CUE 2 CUE 3 etc EX	For selective multiple deletions
DELETE TITLE LIST EX	Deletes all Notes in current TITLE

DROP-INS

NB. On SL 4000/6000/8000 Series systems, Drop-ins will be REHEARSED on monitor if desk TRACK READY is set but RECORD ENABLE is NOT set. To Drop-in for real, set RECORD ENABLE.

DROP-IN EX	Plays and sets Drop-in for indefinite recording
DROP-IN EX.....EX	Sets Drop-in and out times on the fly
DROP-IN FROM TIME TO TIME EX	Sets Drop-in and out times
DROP-IN END EX	Clears Drop-out time
DROP-IN AT TIME EX	Resets Drop-in time but not Drop-out time
DROP-IN TO TIME EX	As above
DROP-IN (END) +/- (t) EX	Changes Drop-in or out times by one frame or specified time (t)

LIST DROP-IN EX	Displays Drop-in and out times
GOTO DROP-IN EX	Guess what!

PLAY DROP-IN FROM TIME EX	Plays Drop-in from TIME
CYCLE DROP-IN (FROM TIME) EX	For multiple Drop-in rehearsal
AT TIME DROP-IN EX	Locates and drops in at TIME for indefinite recording
AT DROP-IN EX	As PLAY DROP-IN but clears Drop-out time
+/- (t) DROP-IN EX	Locates and drops in at time set by +/- keys
PLAY FROM DROP-IN EX ...	Locates but does not perform the Drop-in

TOTAL RECALL

NAME SETUP (Name) EX (EX)	Stores complete scan of desk
REVISE SETUP (Name) EX (EX)	Changes existing Setup to current settings
PLAY SETUP (Name) EX	Runs Total Recall and displays Setup
LIST SETUP EX	Lists Total Recall Setups!
LARGE/SMALL Key	Zooms in on section of display

PRINTER

PRINT	Prints screendumps if this feature enabled in Setup Menu
<i>Otherwise:</i>	
PRINT TITLE EX	Prints every List in the current TITLE
PRINT MIX, CUE, SETUP etc EX	Prints that list from current TITLE
PRINT TITLE LIST EX	Prints Notes Pages from current TITLE

COPYING INFORMATION

WARNING
G Series and Ultimition mixes are not backwards compatible with E Series software.

Stored information can be copied from the current area to another area or copied from another area to the current area or between two other areas as required e.g:

NB. Omit (A) or (B) from command lines if copying within the same DC

COPY ALL EX	Copies Program Disk or any floppy to floppy
COPY REEL EX	Specifically copies Reel Disk to another floppy
COPY CUSTOM EX	Copies custom Setup parameters to new Program Disk
BACKUP EX	Makes copy of DC in drive A to DC in drive B
COPY FLOPPY TO REEL (A/B) Name EX	Copies 8" Reel Disk to a REEL
COPY REEL (A) Name TO FLOPPY EX	Copies REEL to 8" Reel Disk if there's room!
COPY REEL (A) Name TO REEL (B) Name EX	Copies REEL and renames it
COPY TITLE Name TO REEL (A/B) Name EX	Copies TITLE to another REEL
COPY TITLE Name TO MINI EX	Copies TITLE on current REEL to 3.5" Reel Disk
COPY TITLE 1 FROM REEL (A/B) X EX	Copies TITLE 1 from REEL X to current REEL
COPY MIX 1 FROM TITLE X EX	Copies Mix 1 to current TITLE
COPY REEL X TITLE 1 MIX 3 EX	Copies Mix from another REEL to current TITLE

Total Recall SETUPS are copied in the same way as Mixes. Substitute SETUP for MIX.

COPY CUE FROM (REEL Name) TITLE 1 EX	Replaces CUE list in current TITLE with TITLE 1 CUE list
COPY CUE TO TITLE 1 EX	Current CUE list overwrites CUE list in TITLE 1

BEWARE

Copying a Cue list to a Title will overwrite any existing Cue list for that Title. If the destination Title specified does not exist, you have the option to create it.

Track lists are copied in the same way as Cue lists - substitute TRACK for CUE. (This facility replaces NAME TRACK FROM TITLE). Substitute SYNC PRESET for CUE to copy Sync Presets. Substitute LIST for CUE to copy Notes Pages and Bar/Beat Tempo Map.

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MIXING

Although SSL offer both VCA-based G Series and G Series with Ultimatum moving faders, almost all of the mix commands are common to both systems. Any differences mostly apply to default fader status and status indication. Please note that this card does not cover the G Series moving fader system fitted to SL5000M consoles.

All G Series mix systems operate in two basic modes - **New Mixes** where an original mix is created from scratch and **Update Mixes** where a mix, previously created and stored on disk, is edited.

NEW MIXES

SETUP MIX EX Enables mix system, and starts mix here
MIX ON/OFF key Followed by any locate command, enables mix from locate target

Mix Options

1. UA UPDATE ABSOLUTE*
2. RC REVISE CUTS
3. AT AUTOTAKEOVER
4. PV PREVIEW
5. IP IMMEDIATE PICKUP

UA + RC = PLAY CUTS ONLY

The above may be selected or de-selected at the start of, or during a mix, by typing *either* the associated number (1, 2, etc.) *or* the first letter (U, A,etc.) of the required control name. Selected controls are indicated by a blot on the screen display. Any selected controls may be cleared down (to Setup Menu standard) at any time by typing 0 (zero). *Note that controls 1 and 2 are not available in a New Mix and are therefore not displayed.*

FADER STATUS

Changes to fader status at the head of, or during a mix may be made individually using fader status buttons. Across the board changes at the head of a mix are made using the Fader Status Master key (FSM).

ABSOLUTE	Red LED
PREVIEW ABSOLUTE	Flashing red LED
MANUAL (See SAFE MODE)	No LEDs
REPLAY	No LEDs
TRIM	Green LED
PREVIEW TRIM	Flashing Green LED
TRIM (Fader) READ CUTS	Green + flashing Red LED
TRIM (Fader) WRITE CUTS	Green + Red LED
ABS (Fader) READ CUTS (UA + RC)	Red + flashing Green LED

NB. On Ultimatum systems only, the yellow **alt** LED indicates SNAP ON mode; all LEDs flashing indicate a fader stall.

Fader Status Cycles in a New Mix

CONTROL	READY	MIX RUNNING	MIX REVIEW
None	ABS MANUAL	ABS	REPLAY ABS
PV	ABS P/VIEW ABS ABS	ABS P/VIEW ABS* ABS	REPLAY P/VIEW ABS* ABS
PV+AT	ABS P/VIEW ABS ABS	ABS P/VIEW ABS* ABS	REPLAY P/VIEW ABS* ABS AUTOTAKEOVER

Autotakeover allows faders to be switched to REPLAY automatically when the fader crosses the previous pass level of the mix being edited.

* *Toggle between PREVIEW ON (current fader levels) and PREVIEW OFF (written levels) using the FADER STATUS MASTER (FSM) key.*

On non-moving fader systems, with IP selected, faders and cuts switch from REPLAY to ABS, or PREVIEW ABS, on touch in MIX REVIEW.

Ultimatum Systems Only

The yellow **alt** LED indicates SNAP ON mode when lit. In SNAP ON, touch the fader to write, take finger off to return to Replay; individual faders may be switched to SNAP OFF by pressing their fader status buttons. In SNAP OFF, touch fader to write, use fader status button to return to Replay. All LEDs flashing indicate fader stall.

SO EX Toggles SNAP ON/OFF
MO EX Toggles MOTORS ON/OFF
. (period key) Displays current state of MOTORS ON/OFF

UPDATE MIXES

SETUP MIX HERE EX Sets up for Update of current mix here
SETUP MIX Name EX Sets up for Update of mix ‘Name’
GOTO MIX (Name) EX Locates and parks at start of Update mix
PLAY MIX (Name) EX Locates and starts Update mix
PLAY FROM MIX (Name) EX Locates to start of selected mix, plays past end of selected mix

GOTO/PLAY/CYCLE MIX (Name)FROM TIME (TO TIME) EX Creates an mix with updated section but at least as long as the mix being updated

Fader Status Cycles in an Update Mix

Default starting status in an Update Mix can be set in the Mix Options Page of the Setup Menu. The following table assumes Replay has been selected.

CONTROL	READY	MIX RUNNING	MIX REVIEW
None	REPLAY TRIM ABS	REPLAY TRIM REPLAY	REPLAY TRIM REPLAY

Other Status Controls

UA, RC or UA + RC will allow faders to be switched to ABS, READ/WRITE CUTS or ABS FADER READ CUTS from any previous status, at any point before or during the mix, by using the status buttons or the Fader Status Master key at the head of the mix only.

IP sets faders and cuts to the appropriate status e.g. ABS, WRITE CUTS etc. immediately on moving the fader in MIX REVIEW. With Ultimatum, channels only switch when the state of a cut is changed.

PV allows faders to be selected to a PREVIEW of the update status selected. PREVIEW ON/OFF can be toggled during the mix, with the FSM key and can also be used in MIX REVIEW to selectively **JOIN** faders to the mix - see **JOIN** and **REVISE**.

AT allows faders to be switched to REPLAY automatically when the fader crosses the reference level of the mix being updated. Autotakeover is not available with RC (REVISE CUTS mode) as this mode is specifically designed to toggle READ/WRITE CUTS status.

MIX COMMANDS (all systems)

END Stops mix and asks for name
CANCEL (twice) Cancels current mix
LARGE/SMALL key Toggles bargraphs with current page display if bargraphs are enabled
FSM key Toggles ‘Status Locked’ mode, except when faders are in a Preview status or the FSM key is assigned to the Master Fader

MIX COMMANDS (continued)

MIX Selects LEVEL MATCH. (Choose faders with buttons or all with FSM if Local Fader Level Match = YES in Setup Menu)

JOIN or **REVISE** Enables MIX RUNNING from MIX REVIEW on all channels. With PV selected, only channels in Preview status Specifies end of rollback

AT TIME JOIN (REVISE) EX Switches faders to preview levels at TIME
AT TIME EX Rolls back by value of - key plus run-up time and JOINS/REVISES at target time determined by the - key
-(t) JOIN/REVISE EX..... Sets/Updates current JOIN/REVISE point enabling **AT EX** or **AT JOIN EX** commands. Also Sets/Updates current locate target

HERE EX Stores current fader status for starting further Update mixes until Mix System is disabled with **MIX ON/OFF** key

COPY (Head of Mix only) Logs current fader statuses

FROM EX Restores statuses logged with **FROM EX**
BA EX Toggles bargraph display on or off
* key Switches through name of mix, sectors used, FSM assignment, Master Fader status, Insert Mixing on/off and Mix Options Box selection

PRESET Accesses/clears Software Group Setup menu

? **MIX** or ? **END MIX EX** Displays mix start or end time with frames

? **END MIX- MIX EX** Displays length of mix
MF EX Makes FSM the Master Fader status selector

HELP EX Enables STATUS HELP
SAFE EX Enables SAFE SET
TRACK (in mix READY only) Enables TRACK COPY/SWAP mode. Use FSM to choose COPY or SWAP

SL (in mix READY only)..... Toggles ‘Status Locked’ mode. Do not hit **EX** after SL unless you want to start the mix!

SOFTWARE CONTROL GROUPS

Up to 15 separate software groups, with any number of faders in each group, may be set up at any time – out of a mix or during mixing i.e. Mix Ready, Running or Review. Select the Group Setup Menu with the **PRESET** key. Up/Down cursor keys select slave type, Left/Right keys select group number. Select faders with fader status buttons - Master first (red LED) followed by slaves (green LED). **RUB** key clears current group. To exit menu press **PRESET** again. Group information is ‘monitor only’ until merged with mix data by using the **COPY** key when group menu is on the screen and the group to be merged is current. Once merged, groups are dissolved.

OFF-LINE CREATION AND JOINING OF MIXES

REVISE MIX Name ±n.n Initiates a trim of ±n.n dB for the specified time.
(FROM TIME TO TIME) EX
REVISE MIX Name TO G EX Copies G Series or Ultimatum mix for use with earlier G 2.12 software. E Series and G2.12 mixes are automatically converted for use with Ultimatum and current G Series

REVISE MIX Name **FROM** TIME TO TIME EX Creates a shortened mix from mix ‘Name’
REVISE MIX Name **FROM** TIME TO TIME TO TIME EX Creates a new mix from (a section of) Mix ‘Name’ and time shifts it to start at the second TO time

JOIN (MIX) B TO (MIX) A AT TIME EX Off-line Butt join resulting in Mix A followed by Mix B
JOIN (MIX) B TO (MIX) A FROM TIME TO TIME EX Off-line Insert join resulting in Mix A followed by Mix B followed by Mix A

JOIN (MIX) A FROM TIME TO TIME TO (MIX) A FROM TIME EX ... Time shifts portion of Mix A and inserts it back into Mix A

JOIN (MIX) A FROM TIME TO (MIX) B FROM TIME TO TIME EX As above with different mixes

OFF-LINE CUTS

SETUP PRESET MIX (AT TIME) EX Enables off-line Cut creation without running tape machine

To display and edit cut data for individual faders enter **LIST Fnn EX** for Channel Fader nn. Use Vn for Groups, Sn for Patchable VCAs and M1 for the Master fader. Move cursor to time column to enter EDIT MODE. Then:

GOTO, PLAY, CYCLE keys Locate to and play events
REVISE key Toggles cut/uncut state
JOIN key Inserts new cut event on the line above
DELETE key Deletes current cut event (for ever!)
COPY key Enables the same event to be modified on multiple channels

END key With cursor in the Cue column, saves edited cuts as a Mix to disk

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