

42	42-compatible operations					
g-shift	42KEYG	42KEYX	42VRMNU	42PRA	42ATOX	42XTOA
f-shift	42ALENG	42POSA	42AROT	42ASHF	42PRMPT	42AIP
unshifted	42α	42I-	42ARCL	42ASTO	42AVIEW	42CLA
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Prev menu https://47calc.com/doc/R47/Menus/R47v0_Menu_NRMKEY_page_1.pdf

Next menu https://47calc.com/doc/R47/Menus/R47v0_Menu_42_page_2.pdf

Ref 1 https://47calc.com/doc/Application%20Notes/AN0026_C47_R47_DL_42S_Compatibility.pdf

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
Menu p1	42	MENU (42)	42-compatible operations	Functions and commands that are 100% compatible with the HP-42S/DM42(n) calculators ; Ref : https://47calc.com/doc/Application%20Notes/AN0026_C47_R47_DL_42S_Compatibility.pdf	Compatibility		42	
F1	42α	Command (42, PEM)	Enter string into Alpha register	Enter text string into Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; TAM : 42α ' ' TamAlpha menu (maximum 15 characters)	Compatibility		42α	
F2	42←	Command (42, PEM)	Append string to Alpha register	Append text string to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; TAM : 42← ' ' TamAlpha menu (maximum 14 characters) ; Info : for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters ; Error 64 -- No string in alpha register -- may be raised	Compatibility		42←	
F3	42ARCL	Command (42)	Recall to Alpha register	Append contents of register or variable (formatted according to the display settings) to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; TAM : 42ARCL _ _ Tam menu ; for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters ; Error 64 -- No string in alpha register -- may be raised	Compatibility		42ARCL	
F4	42ASTO	Command (42)	Store from Alpha register	Store first six characters of text string in Alpha register (default K) in register or variable ; this is a HP-42S/DM42(n) calculator compatible command ; TAM : 42ASTO _ _ Tam menu ; Error 64 -- No string in alpha register -- may be raised	Compatibility		42ASTO	
F5	42AVIEW	Command (42, PEM)	View Alpha register	View the Alpha register (default K) contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ↵ symbol, optionally display one or more TI's at the top, X, Y, Z line ; example: "top line = ↵ X = ↵ Y = ↵ Z = " ; this is a HP-42S/DM42(n) calculator compatible command ; Info : If ⏏ACT is SET, 42AVIEW will print when executed from the keyboard in MAN, NORM or TRACE ; in Program Entry Mode, ⏏EN must be SET as well ; If ⏏ACT is CLEAR and ⏏EN is SET, 42AVIEW halts execution (R/S)	Compatibility		42AVIEW	
F6	42CLA	Command (42)	Clear Alpha register	Clear Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command	Compatibility		42CLA	
fF1	42ALENG	Command (42)	Alpha register length	Get length of text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command	Compatibility		42ALENG	
fF2	42POSA	Command (42)	Alpha register position	Get position (starting from 0) of substring, character or character code in X within text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; Info : For substring not found or empty text string, 42POSA returns -1	Compatibility		42POSA	
fF3	42AROT	Command (42)	Rotate Alpha register	Rotate Alpha register by the number of characters specified in X (positive : shift left, negative : shift right) ; this is a HP-42S/DM42(n) calculator compatible command ; Info : For empty text string, 42AROT acts as NOP ; Error 64 -- No string in alpha register -- may be raised	Compatibility		42AROT	
fF4	42ASHF	Command (42)	Shift Alpha register	Shift the six leftmost characters out of the Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; Info : For empty text string, 42ASHF acts as NOP ; Error 64 -- No string in alpha register -- may be raised	Compatibility		42ASHF	
fF5	42PRMPT	Command (42, PEM)	Prompt (42)	Half program execution and view the register or variable contents (text string) in the top left part of the screen, without TI (for use in Program Entry Mode) ; if the contents include the ↵ symbol, optionally display one or more TI's at the top, X, Y, Z line ; example: "top line = ↵ X = ↵ Y = ↵ Z = " (uses Alpha register (default K)) ; Info : if ⏏EN is SET, 42PRMPT will print when executed from the keyboard in NORM or TRACE ; in Program Entry Mode, ⏏EN must be SET as well	Compatibility		42PRMPT	

Level	Label	Type	FullName	Extended description	Category	Flag	Catalog	Default
fF6	42AIP	Command (42)	Alpha register Integer Part	Append integer part of X to text string in Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible command ; Info : If the register or variable does not contain a text string, 42AIP will first convert it to text string ; for the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters	Compatibility		42AIP	
gF1	42KEYG	Command (42, PEM)	Key Go to (42)	Used in Program Entry Mode to specify the label to go to when soft button (1-18) of the Programmable MENU, [↑] (19), [↓] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, 42KEYG also creates a soft button in the Programmable MENU with the string in the Alpha register (default K) as a label ; TAM : 42KEYG → 42KEY __ TamKey menu ; 42KEY nn GT0 __ TamLabel menu	Compatibility		42KEYG	
gF2	42KEYX	Command (42, PEM)	Key Execute (42)	Used in Program Entry Mode to specify the program to execute when soft button (1-18) of the Programmable MENU, [↑] (19), [↓] (20) or [EXIT] (21) is pressed ; if button 1-18 is specified, 42KEYX also creates a soft button in the Programmable MENU with the string in the Alpha register (default K) as a label ; TAM : 42KEYX → 42KEY __ TamKey menu ; 42KEY nn XEQ __ TamLabel menu	Compatibility		42KEYX	
gF3	42VRMNU	Command (42, PEM)	Variable menu (42)	Create variable menu ; uses Alpha register (default K) to store variable name when MVAR-defined button (<var...>) is pressed without NIM input ; TAM : 42VRMNU __ TamLblOnly menu ; Error 25 -- No MVAR found in selected program -- may be raised	Compatibility		42VRMNU	
gF4	42PRA	Command (42)	Print Alpha register	Print contents of Alpha register (default K) as text ; this is a HP-42S/DM42(n) calculator compatible command ; Info : If 00FF, 42PRA writes alpha to file in DATA/<YYYYMMDD-HHMMSS00>.REGS.TSV ; SBI is shown if flag SBprn is SET ; SBI : 0	Compatibility		42PRA	
gF5	42ATOX	Function (42, monadic)	Alpha register to X	Convert first alpha character of text string in Alpha register (default K) to character code (hexadecimal) and remove this character ; this is a HP-42S/DM42(n) calculator compatible function ; Info : For empty text string, 42ATOX returns 0 only	Compatibility		42ATOX	
gF6	42XT0A	Function (42, monadic)	X to Alpha register	Append character, character code (converted to character), text string or real matrix (converted to text string) to Alpha register (default K) ; this is a HP-42S/DM42(n) calculator compatible function ; Info : For the 42-compatible alpha functions and commands, the Alpha register (default K) is limited to 44 characters	Compatibility		42XT0A	