

# CPC464

# Firmware

## *ROM routines and explanations*

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CAS CATALOG CAS CHECK CAS IN ABANDON CAS IN CHAR CAS IN CLOSE CAS IN DIRECT CAS IN OPEN CAS  
INMALISE CAS NOISY CAS OUT ABANDON CAS OUT CHAR CAS OUT CLOSE. CAS READ CAS RESTORE MOTOR CAS  
RETURN CAS SET SPEED CAS START MOTOR CAS STOP MOTOR CAS TEST EOF CAS WRITE GRA ASK CURSOR  
GRA CLEAR WINDOW GRA GET ORIGIN GRA GET PAPER GRA GET PEN GRA GET W HEIGHT GRA GET W WIDTH  
GRA INITIALISE GRA UNE ABSOLUTE GRA UNE RELATIVE GRA MOVE ABSOLUTE GRA MOVE RELATIVE GRA PLOT  
ABSOLUTE GRA PLOT RELATIVE GRA RESET GRA SET ORIGIN GRA SET PAPER GRA SET PEN GRA TEST  
ABSOLUTE GRA TEST RELATIVE GRA WIN HEIGHT GRA WIN VADTH GRA WR CHAR HI KL CURR SELECTION HI KL L  
ROM DISABLE HI KL L ROM ENBLE HI KL LDDR HI KL LDIR HI KL POLL SYNCHRONOUS HI KL PROBE ROM HI KL  
ROM DESELECT HI KL ROM RESTORE HI KL ROM SELECT HI KL U ROM DISABLE HI KL U ROM ENABLE IND GRA  
LINE IND GRA PLOT IND GRA TEST IND KM TEST BREAK IND MC WAIT PRINTER IND SCR READ IND SCR WRITE IND  
TXT DRAW CURSOR IND TXT OUT ACTION IND TXT UNDRAW CURSOR IND TXT UNWRITE IND TXT WRITE CHAR KL  
ADD FAST TICKER KL ADD FRAME FLY KL ADD TICKER KL CHOKE OFF KL DEL FAST TICKER KL DEL FRAME FLY KL  
DEL SYNCHRONOUS KL DEL TICKER KL DISARM EVENT KL DO SYNC KL DONE SYNC KL EVENT DISABLE KL EVENT  
ENABLE KL FIND COMMAND KL INIT BACK KL INIT EVENT KL LOG EXT KL NEW FAST TICKER KL NEW FRAME FLY  
KL NEXT SYNC KL ROM WALK KL SYNC RESET KL TIME PLEASE KL TIME SET KM ARM BREAKS KM BREAK EVENT  
KM CHAR RETURN KM DISARM BREAK KM EXP BUFFER KM GET CONTROL KM GET DELAY KM GET EXPAND KM  
GET JOYSTICK KM GET REPEAT KM GET SHIFT KM GET STATE KM GET TRANSLATE KM INITIAUSE KM READ CHAR  
KM READ.KEY KM RESET KM SET CONTROL KM SET DELAY KM SET EXPAND KM SET REPEAT KM SET SHIFT KM  
SET TRANSLATE KM TEST KEY KM WAIT CHAR KM WAIT KEY LOW EXT INTERRUPT LOW FAR CALL LOW FRM JUMP  
LOW INTERRUPT ENTRY LOW KL FAR ICALL LOW KIL FAR PCHL LOW KL LOW PCHL LOW KIL SIDE PCHL LOW LOW  
JUMP LOW PCDE INSTRUCTION LOW PCHL INSTRUCTION LOW RAM LAM LOW RESET ENTRY LOW SIDE CALL LOW  
USER RESTART MC BOOT PROGRAM MC BUSY PRINTER MC CLEAR INKS MC JUMP RESTORE MC PRINT CHAR MC  
RESET PRINTER MC SCREEN OFFSET MC SEND PRINTER MC SET INKS MC SET MODE MC SOUND REGISTER MC  
START PROGRAM MC WAIT FLYBACK SCR ACCESS SCR CHAR INVERT SCR CHAR LIMITS SCR CHAR POSITION  
SCR CLEAR SCR DOT POSITION SCR FILL BOX SCR FLOOD BOX SCR GET BORDER SCR GET FLASHING SCR GET  
INK SCR GET LOCATION SCR HORIZONTAL SCR NITAUSE SCR INK DECODE SCR INK ENCODE SCR NEXT BYTE SCR  
NEXT LINE SCR FIXELS SCR PREV BYTE SCR PREV UNE SCR REPACK SCR RESET SCR SET BASE SCR SET  
BORDER SCR SET FLASHING SCR SET INK SCR SET MODE SCR SET OFFSET SOR SW ROLL SCR UNPACK SCR  
VERTICAL SOUND A ADDRESS SOUND AMPL ENVELOPE SOUND ARM EVENT SOUND CHECK, SOUND CONTINUE  
SOUND HOLD SOUND QUEUE SOUND RELEASE SOUND RESET SOUND T ADDRESS SOUND TONE ENVELOPE TXT  
CLEAR WINDOW TXT CUR DISABLE TXT CUR ENABLE TXT CUR OFF TXT CUR ON TXT GET BACK TXT GET  
CONTROLS TXT GET CURSOR TXT GET M TABLE TXT GET MATRIX TXT GET PAPER TXT GET PEN TXT GET  
WINDOW TXT INITIALISE TXT INVERSE W OUTPUT TXT PLACE CURSOR TXT RD CHAR TXT REMOVE CURSOR TXT  
RESET TXT SET BACK TXT SET COLUMN TXT SET CURSOR TXT SET GRAPHIC TXT SET M TABLE TXT SET MATRIX  
TXT SET PAPER TXT SET PEN TXT SET ROW TXT STR SELECT TXT SWAP STREAMS TXT VALIDATE TXT VDU  
DISABLE TXT VDU ENABLE TXT WIN ENABLE TXT WR CHAR

### **Published by AMSOFT, a division of**

Amstrad Consumer Electronics plc

Brentwood House

169 Kings Road

Brentwood

Essex

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First edition 1984

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