

# **CPA-10 Automation Networking Software Version 3.000**



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The NEW CPA-10 version 3.000 software significantly enhances the Synchronous Communications Network. The new features include compatibility with the new RSM-10 and RCM-10 serial Remote Monitors and Network Copy functions as well as interlock operation.

The Network Copy functions allow the user to copy Supervisory data, Programs and Clock Start Times from any CPA-10 on the network. This greatly reduces the initial set-up time and eases program maintenance required when moving films. The version 3.000 software also supports up to 32 devices (CPA-10s and Remote Monitors). The number of Sync Loops are increased from 8 to 20. The new software is backward compatible. Your saved data from the previous version of software will remain valid.

This is an addendum to the CPA-10 Automation Manual describing the new Network Copy functions and how to use them.

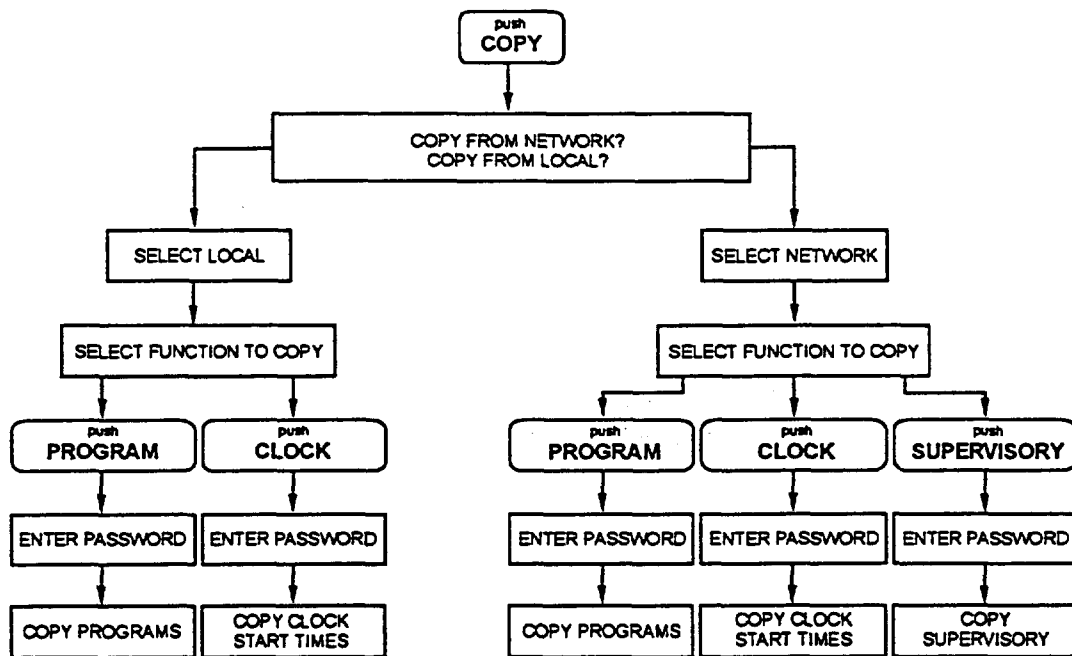
## The Copy Function

The COPY function can be used to copy CLOCK START TIMES, PROGRAMS or SUPERVISORY data from one location to another. The copy function provides the option for a LOCAL copy or a NETWORK copy.

The LOCAL COPY is used to copy CLOCK START TIMES or PROGRAMS from one memory location to another. For instance, if clock start times are the same for Monday as for the rest of the week, the times can be entered for Monday and then copied to other days which have the same schedule. Similar schedules can be copied and then edited as required. The same holds true for building programs. For instance, Program #4 can be copied from Program #2 and edited as required. Using the LOCAL COPY function dramatically reduces the amount of data entry normally required in building programs.

The NETWORK COPY is used to copy CLOCK START TIMES, PROGRAMS or SUPERVISORY data from a remote CPA-10. This further reduces the amount of data entry, particularly in large multiplexes. Using NETWORK COPY program data can only be copied from a remote CPA-10 to the CPA-10 that is performing the COPY. There is no option for copying to a remote CPA-10.

The flow diagram below shows how the copy modes are accessed.



## Local Copy Clock Start Times

This function allows the operator to copy a full days start times to another day. Any day can be copied to any other day. If a full days start times have been set up for Monday, for example, and the same schedule is valid for the other days, the start times can be copied from Monday to Tuesday, from Monday to Wednesday, from Monday to Thursday, and so on.

The first field is the day to copy, the second field is the destination day of the copy. Enter the day to copy and press the SCROLL RIGHT key; enter the destination day, and press ENTER. The screen will display "COPY COMPLETE" and then prompt for additional copies. Escape the Copy Mode by pressing the PROGRAM key.

<u>PRESS:</u>	<u>SCREEN DISPLAYS:</u>	<u>COMMENTS:</u>
[COPY]	COPY FROM <u>LOCAL</u>	Select LOCAL
[ENTER]	SELECT FUNCTION TO COPY	
[CLOCK]	ENTER PASSWORD	
[PASSWORD #1 OR #2]	COPY START TIMES	Displayed for 1 second
	COPY <u>DAY?</u> TO DAY?	Enter day to copy
[MONDAY]	COPY <u>MONDAY</u> TO DAY?	
[SCROLL RIGHT]	COPY MONDAY TO <u>DAY ?</u>	Enter destination day
[TUESDAY]	COPY MONDAY TO <u>TUESDAY</u>	
[ENTER]	COPY COMPLETE	Displayed for 1 second
	COPY <u>DAY?</u> TO DAY?	
[PROGRAM]	MANUAL START MODE	Displayed for 1 second
	PROGRAM 1 READY TO RUN	

## Local Copy Programs

This function allows the operator to copy an entire program from one memory location to another and then edit the program as necessary. To copy programs requires password #2. The first field is the program to copy, the second field is the destination program location of the copy. Enter the program to copy and press the SCROLL RIGHT key; enter the destination program location, and press ENTER. The screen will display "COPY COMPLETE" and then prompt for additional program copies. Escape the Copy Mode by pressing the PROGRAM key.

PRESS:	SCREEN DISPLAYS:	COMMENT:
[COPY]	COPY FROM <u>LOCAL</u>	Select LOCAL
[ENTER]	SELECT FUNCTION TO COPY	
[PROGRAM]	ENTER PASSWORD	
[PASSWORD #2]	COPY PROGRAMS	Displayed for 1 second
	COPY PROGRAM <u>0</u> TO PROGRAM 0	Enter number to copy
[2]	COPY PROGRAM <u>2</u> TO PROGRAM 0	
[SCROLL RIGHT]	COPY PROGRAM 2 TO PROGRAM <u>0</u>	Enter destination number
[4]	COPY PROGRAM 2 TO PROGRAM <u>4</u>	
[ENTER]	COPY COMPLETE	Displayed for 1 second
	COPY PROGRAM <u>0</u> TO PROGRAM 0	
[PROGRAM]	MANUAL START MODE	Displayed for 1 second
	PROGRAM 1 READY TO RUN	

## Network Copy Clock Start Times

This function allows the operator to copy clock start times for the whole week from a *remote* CPA-10. For example, when a movie is moved from one house to another and the start times are to remain the same for the movie, the operator can quickly copy the start times to the new CPA-10.

When copying from a remote CPA-10 you need to know the SYNC ID NUMBER of the remote CPA-10 you want to copy from. The SYNC ID NUMBER of a CPA-10 is normally the same number of the movie house it is in. The start times can be copied using either password #1 or #2.

<u>PRESS:</u>	<u>SCREEN DISPLAYS:</u>	<u>COMMENT:</u>
[COPY]	COPY FROM <u>NETWORK</u>	Select NETWORK
[ENTER]	SELECT FUNCTION TO COPY	
[CLOCK]	ENTER PASSWORD	
[PASSWORD #1 OR #2]	COPY CLOCK START TIMES FROM <u>0</u>	Prompt for remote CPA-10 Sync ID no.
[2]	COPY CLOCK START TIMES FROM <u>2</u>	Enter remote CPA-10 Sync ID No.
[ENTER]	NETWORK TRANSFER COMPLETE	Copy complete

The "NETWORK TRANSFER COMPLETE" message indicates the clock start times were copied successfully. At this point you can press the ENTER key to be prompted from another copy or press the PROGRAM key to return to the MANUAL START MODE main screen.

There are two other message that may be displayed as a result of a unsuccessful Network Copy. They are:

USE LOCAL COPY

REMOTE NOT RESPONDING

The message "USE LOCAL COPY" indicates that you tried to copy *from* your own SYNC ID number. Verify the SYNC ID numbers of the local and remote CPA-10s and try again.

The message "REMOTE NOT RESPONDING" indicates that the SYNC ID number of the remote CPA-10 is either invalid or the remote CPA-10 is not on line (power failure, open network, etc).

## Network Copy Programs

This option allows the programmer to copy a program from any remote CPA-10 on the network to any one of the nine (9) program locations at the local CPA-10. It also provides the option to copy *all* the programs at one time from a remote. The CUE LEARN TIMES for each program are also copied. Password #2 is required to copy programs over the network.

This feature is useful when movies are moved from one house to another. For example, the movie in house #4 needs to be quickly moved to house #8 and PROGRAM 1 in house #4 is needed to run the movie. It is determined by the operator that the program will be copied to the PROGRAM 4 location at the CPA-10 in house #8. At the CPA-10 in house #8, the operator will do the following:

<u>PRESS:</u>	<u>SCREEN DISPLAYS:</u>	<u>COMMENTS:</u>
[COPY]	COPY FROM <u>LOCAL</u>	
[CHANGE]	COPY FROM <u>NETWORK</u>	Select NETWORK
[ENTER]	SELECT FUNCTION TO COPY	
[PROGRAM]	ENTER PASSWORD	
[PASSWORD #2]	COPY PROGRAM FROM ID <u>0</u> -0 TO 0	Prompt for remote CPA-10 Sync ID no.
[4]	COPY PROGRAM FROM ID <u>4</u> -0 TO 0	Enter remote CPA-10 Sync ID no.
[SCROLL RIGHT]	COPY PROGRAM FROM ID 4- <u>0</u> TO 0	Prompt for remote CPA-10 program no.
[1]	COPY PROGRAM FROM ID 4- <u>1</u> TO 0	Enter remote CPA-10 program no.
[SCROLL RIGHT]	COPY PROGRAM FROM ID 4-1 TO <u>0</u>	Prompt for destination program no.
[4]	COPY PROGRAM FROM ID 4-1 TO <u>4</u>	Enter destination program no.
[ENTER]	NETWORK TRANSFER COMPLETE	Start copy

The Network Copy function also provides the option to copy all the programs in one easy step. This feature significantly reduces initial set-up time, particularly in large multiplexes. The procedure is similar to the previous example.

<u>PRESS:</u>	<u>SCREEN DISPLAYS:</u>	<u>COMMENTS:</u>
[COPY]	COPY FROM <u>NETWORK</u>	Select NETWORK
[ENTER]	SELECT FUNCTION TO COPY	
[PROGRAM]	ENTER PASSWORD	
[PASSWORD #2]	COPY PROGRAM FROM ID <u>0</u> -0 TO 0	Prompt for remote CPA-10 Sync ID no.

[4]	COPY PROGRAM FROM ID <u>4</u> -0 TO 0	Enter remote CPA-10 Sync ID no.
[SCROLL RIGHT]	COPY PROGRAM FROM ID 4- <u>0</u> TO 0	Prompt for remote CPA-10 program no.
	COPY PROGRAM FROM ID 4- <u>0</u> TO 0	Leave value 0 for <i>copy all</i>
[SCROLL RIGHT]	COPY PROGRAM FROM ID 4-0 TO <u>0</u>	Prompt for destination program no.

At this point you need to enter any number from 1 to 9 in the last field. The purpose of entering a non-zero number in the last field is to prevent the user from prematurely pressing ENTER and inadvertently copying over all the programs.

[1]	COPY PROGRAM FROM ID 4-0 TO <u>1</u>	Enter any number
[ENTER]	NETWORK TRANSFER COMPLETE	Programs have been copied

When large blocks of program data are copied or if the network traffic is heavy it may take a few seconds to complete the transfer. When this is the case, the screen will display the following progress status message:

TRANSFERRING BLOCK 1 PACKET 0

The numbers will count up indicating that program data is being moved from the remote CPA-10. When the program data is copied, the NETWORK TRANSFER COMPLETE message is displayed.

Some other messages that may be displayed as a result of a *unsuccessful* copy are described below.

USE LOCAL COPY  
REMOTE NOT RESPONDING  
SHOW IN PROGRESS

The message "USE LOCAL COPY" indicates that you tried to copy *from* your own SYNC ID number. Verify the SYNC ID numbers of the local and remote CPA-10s and try again.

The message "REMOTE NOT RESPONDING" indicates that the SYNC ID number of the remote CPA-10 is either invalid or the remote CPA-10 is not on line (power failure, open network, etc).

The message "SHOW IN PROGRESS" indicates that you attempted to make a copy *to* a CPA-10 that is running a program. (Although you may copy *from* a CPA-10 that is running a program.)

## Network Copy Supervisory

This option allows the user to copy the Supervisory data from a remote CPA-10. All Supervisory data except for "SYNC ID", "SYNC LOOP", "RUN HOURS" and "MAINTENANCE SCHEDULES A" through "D" are copied by this function. Progress status messages will be displayed as necessary. This function is accessed in the following way:

<u>PRESS:</u>	<u>SCREEN DISPLAYS:</u>	<u>COMMENTS:</u>
[COPY]	COPY FROM <u>LOCAL</u>	
[CHANGE]	COPY FROM <u>NETWORK</u>	Select NETWORK
[ENTER]	SELECT FUNCTION TO COPY	
[SUPERVISORY]	ENTER PASSWORD	
[PASSWORD #2]	COPY SUPERVISORY DATA FROM <u>0</u>	Access with password #2
[2]	COPY SUPERVISORY DATA FROM <u>2</u>	Enter remote CPA-10 Sync ID no.
[ENTER]	NETWORK TRANSFER COMPLFTE	Supervisory data copied

In the example above, Supervisory data was copied from the CPA-10 with the Sync ID number 2.