



Installation Guide Micro Lynx ACG Option Card

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DATE: 2/2/96

MODEL: Micro Lynx

REVISION: All

SERIAL NO: All

SOFTWARE: All

REQUIRED TOOLS:

Static safe workstation	Phillips screwdriver
Grounding wrist strap	1/4" Nut driver

REQUIRED PARTS:

TimeLine Part Number 71B008, ACG-1 Option Card, or
TimeLine Part Number 71B009, ACG-2 Option Card

PROCEDURE:

1. Turn off the power and place the Micro Lynx System Unit on a static safe workstation. Ground yourself and the workstation anti-static mat.
2. On the back of the System Unit, remove the cover labeled **AUDIO CLOCK GENERATOR**.
3. Remove the six phillips screws securing the top cover to the System Unit.
4. Position the System Unit so that the front panel faces you, and remove the top cover.

Note:

Installation of the ACG Card is serial number dependent. For instructions on installing the ACG Card, go to the section of this installation guide covering your Micro Lynx System Unit serial number range

PROCEDURE (continued):

System Unit Serial Numbers 104-1068

Install the Option Card Bracket

5. The Back Panel PCB is located at the top back of the chassis, horizontal to the back panel. Remove the "L" shaped bracket supporting the Back Panel PCB by removing the phillips screws; one on the left side of the board and the other on the back panel, to the right of the **SYSTEM TALLY** connector. The bracket is no longer needed, keep the phillips screws.

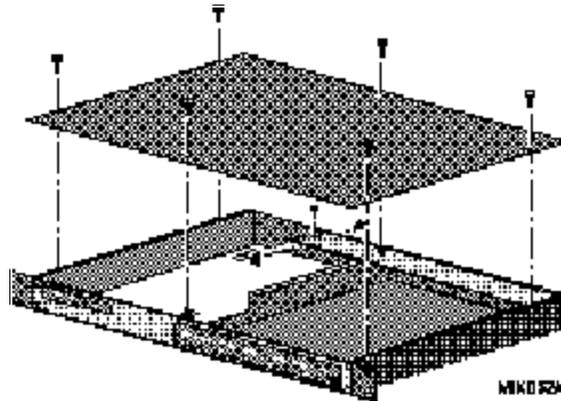


Figure 1. Remove Support Bracket

6. Hold the Option Card bracket so that the large cutout is face up. Set the front of the bracket in place on the threaded stud on the inside of the front panel. Set the bracket down and slide it under the left edge of the Back Panel PCB.
7. Insert and tighten the screws removed from the back panel, and from the Back Panel PCB. Place a nut on the threaded stud and secure the bracket to the front panel. (See Figure 2.)

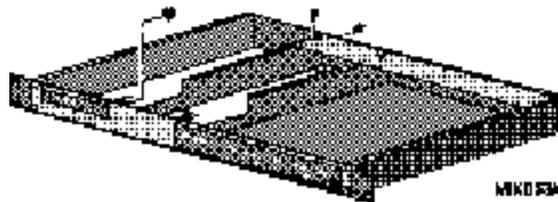


Figure 2. Install the Option Card Bracket

PROCEDURE (continued):

Install the ACG Option Card

8. Locate and remove the black rubber bumper on the corner of the ACG Card. (See Figure 3.)
9. The ACG Card is mounted on the left side of the System Unit.
10. If you have the M3 or VITC Card already installed in the Micro Lynx, remove the Option Card cable before installing the ACG Card.
11. The Option Card cable is a ribbon cable with four connectors attached. On one end of the cable, the second connector is about 3.5" from the end. Insert this end into connector J1 on the component side of the ACG Card. The connector should be attached so that the cable falls away from the ACG Card as illustrated in Figure 3.

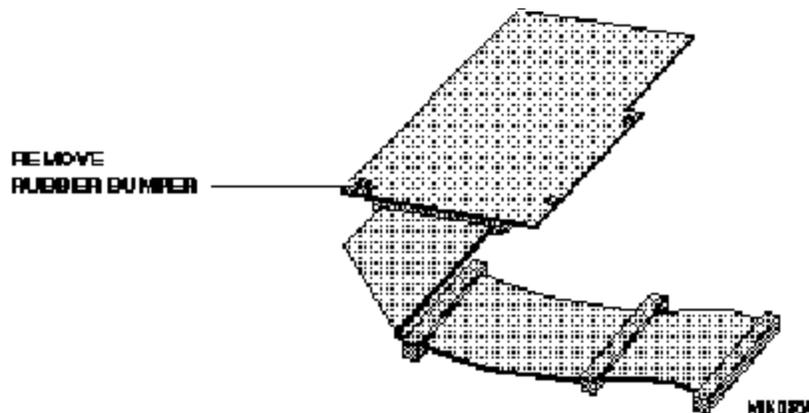


Figure 3. Option Cable Installation

12. Position the ACG Card component side down with connector J1 toward the front of the System Unit. Approximately 1.25" from the J1 connector, bend the Option Card cable under, so that it makes a right-angle turn (the unused connectors on the cable will face the chassis bottom), as shown in Figure 3.
13. Hold the folded Option Card cable over the cutout in the Option Card bracket, tilt and slide the left side of the card into the groove, along the top of the Micro Lynx Side Panel.
14. As the card slides into the groove, lie it flat on the Option Card bracket.
15. Slide the ACG Card against the back panel, so that the **AES/EBU** connector and the **O.S. OUT, WORD OUT** and **CLOCK IN** jacks are seated in the appropriate cutouts in the back panel. Insert the washers and nuts onto the BNC connectors.

PROCEDURE (continued):

16. Insert two phillips screws through the ACG Card into the Option Card bracket standoffs and tighten.
17. If the M3 Card is fitted, insert the Option Card cable connector into J1 on the M3 Card. If the VITC Card is fitted, insert the Option Card cable connector into J1 on the VITC Card.
18. Connect the other end of the cable into J3 on the Main Board. The unused connectors will lie in the open area in the middle of the System Unit, unless you have option cards installed.

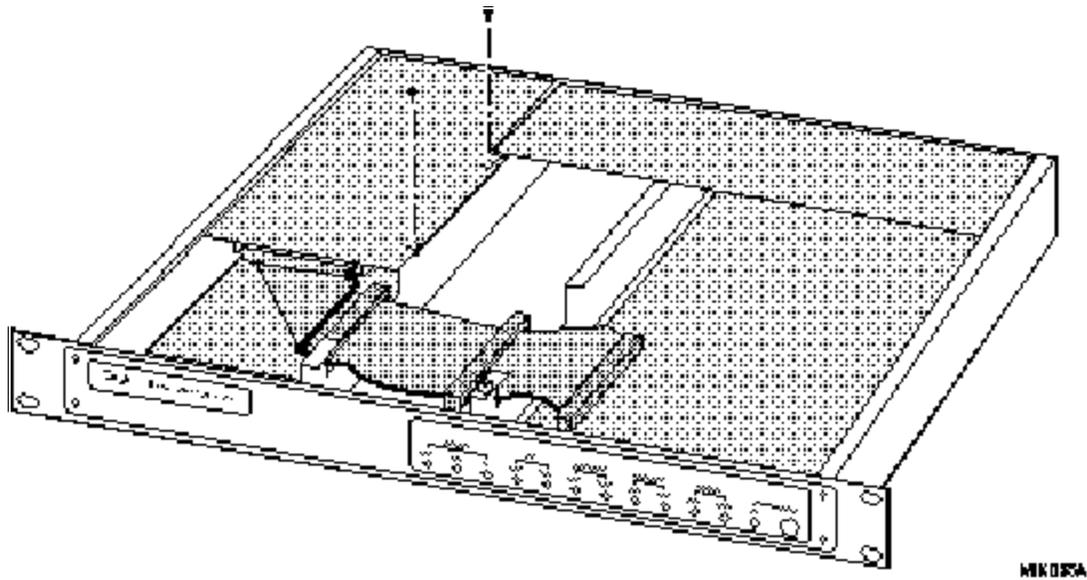


Figure 4. Installation of ACG Card

19. Replace the top cover and the six phillips screws.
20. Power up the System Unit. The Micro Lynx will recognize the ACG Card on power up and the ACG LED on the System Unit OPTION Section will turn on. Press SETUP, ACG, to configure the card functions.

PROCEDURE (continued):

System Unit Serial Numbers 1068-1953

Install the ACG Option Card Bracket

5. Remove the "L" shaped bracket supporting the Back Panel PCB. Relocate this bracket to the left side of the chassis as shown in Detail A and secure using the phillips screw supplied in the ACG Option Installation Kit. (See Figure 5.)

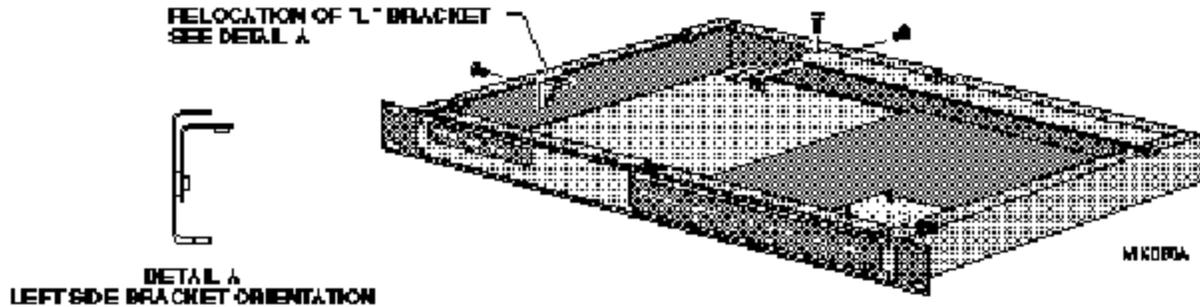


Figure 5. Relocation of "L" Bracket

6. Remove the M3 Card, if installed. Remove the nut on the left threaded stud securing the front panel to the chassis.
7. Hold the ACG Option Card bracket diagonally across the chassis with the cable opening to the front. Set the front of the bracket in place on the threaded stud, inside the chassis. Slide the bracket under the left edge of the Back Panel PCB and the VITC Card (if installed).
8. Insert and tighten the screw removed from the back panel, and from the Back Panel PCB. Replace the nut on the front panel threaded stud to secure the bracket. (See Figure 6.)

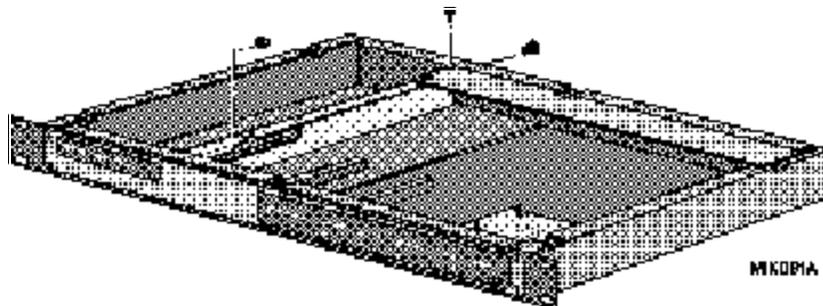


Figure 6. Install the ACG Option Card Bracket

Micro Lynx ACG Option Card

Install the ACG Option Card

9. Reinstall the M3 Card, if it was removed. The ACG Card is mounted on the left side of the System Unit, above the M3 Card.
10. Remove the mounting standoffs from the 9-pin connector on the ACG Card.

PROCEDURE (continued):

11. The Option Card cable is a ribbon cable with four connectors attached. On one end of the cable, the second connector is about 3.5" from the end. Insert this end into connector J1 on the component side of the ACG Card. The connector should be attached so that the cable falls away from the ACG Card, as illustrated in Figure 3.
12. Position the ACG Card component side down with connector J1 toward the front of the System Unit. Approximately 1.25" from the J1 connector, bend the Option Card cable under, so that it makes a right-angle turn (the unused connectors on the cable will face the chassis bottom).
13. Insert the folded Option Card cable through the opening in the Option Card bracket.
14. Lie the ACG Card flat on the Option Card bracket. Slide the ACG Card against the back panel, so that the **AES/EBU** connector and the **O.S. OUT, WORD OUT** and **CLOCK IN** jacks are seated in the appropriate cutouts in the back panel. Insert the washers and nuts onto the BNC connectors. Replace the mounting standoffs on the 9-pin connector.
15. The corner of the ACG Card, with the black rubber bumper, will rest on the "L" bracket installed on the side of the chassis in Step 5. Insert two phillips screws through the ACG Card into the Option Card bracket and tighten. (See Figure 7.)

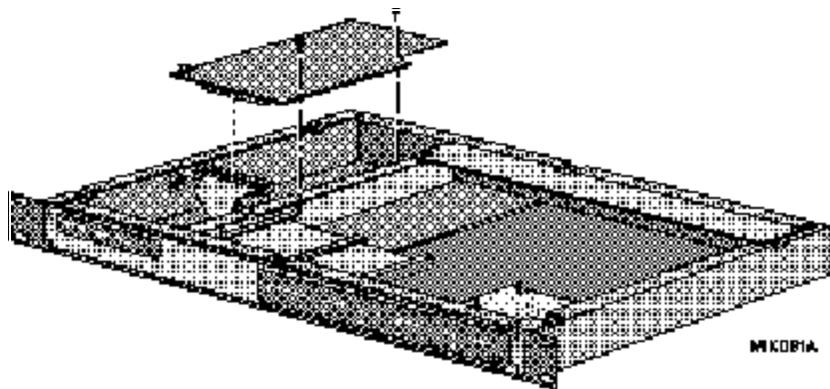


Figure 7. Install the ACG Card

16. If the M3 Card is fitted, insert the Option Card cable connector into J1 on the M3 Card. If the VITC Card is fitted, insert the Option Card cable connector into J1 on the VITC Card.
17. Connect the other end of the cable into J3 on the Main Board. The unused connectors will lie in the open area in the middle of the System Unit, unless you have option cards installed.
18. Replace the top cover and the six phillips screws.

19. Power up the System Unit. The Micro Lynx will recognize the ACG Card on power up and the ACG LED on the System Unit OPTION Section will turn on. Press SETUP, ACG, to configure the card functions.

PROCEDURE (continued):

System Unit Serial Numbers 1954 and higher (ACG option bracket pre-fitted)

Install the ACG Option Card "L" Bracket

5. Locate the "L" shaped bracket in the ACG Option Card Kit. Install this bracket to the left side of the chassis as shown in Detail A and secure using the phillips screw supplied in the kit. (See Figure 8.)

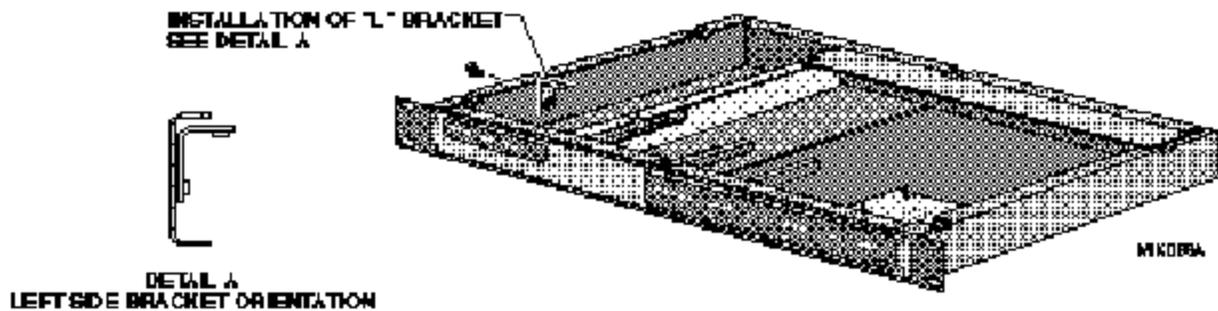


Figure 8. Location of "L" Bracket

6. Remove the mounting standoff from the 9-pin connector on the ACG Card.
7. The Option Card cable is a ribbon cable with four connectors attached. On one end of the cable, the second connector is about 3.5" from the end. Insert this end into connector J1 on the component side of the ACG Card. The connector should be attached so that the cable falls away from the ACG Card, as illustrated in Figure 3.
8. Position the ACG Card component side down with connector J1 toward the front of the System Unit. Approximately 1.25" from the J1 connector, bend the Option Card cable under, so that it makes a right-angle turn (the unused connectors on the cable will face the chassis bottom).
9. Insert the folded Option Card cable through the opening in the Option Card bracket.
10. Lie the ACG Card flat on the Option Card bracket. Slide the ACG Card against the back panel, so that the **AES/EBU** connector and the **O.S. OUT, WORD OUT** and **CLOCK IN** jacks are seated in the appropriate cutouts in the back panel. Insert the washers and nuts onto the BNC connectors. Replace the mounting standoffs on the 9-pin connector.
11. The corner of the ACG Card, with the black rubber bumper, will rest on the "L" bracket installed on the side of the chassis in Step 5. Insert two phillips screws through the ACG Card into the Option Card bracket and tighten. (See Figure 9.)

PROCEDURE (continued):

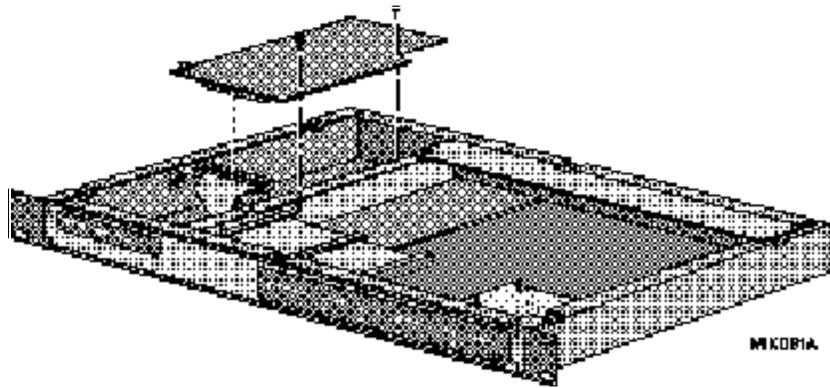


Figure 9. Install the ACG Card

12. If the M3 Card is fitted, insert the Option Card cable connector into J1 on the M3 Card. If the VITC Card is fitted, insert the Option Card cable connector into J1 on the VITC Card.
13. Connect the other end of the cable into J3 on the Main Board. The unused connectors will lie in the open area in the middle of the System Unit, unless you have option cards installed.
14. Replace the top cover and the six phillips screws.
15. Power up the System Unit. The Micro Lynx will recognize the ACG Card on power up and the ACG LED on the System Unit OPTION Section will turn on. Press SETUP, ACG, to configure the card functions.