

Technical Comments

The IBM 3179 terminal scans 23 KHz horizontal and 60 Hz vertical.
The IBM 3179G terminal scans 25.6 KHz horizontal and 60 Hz vertical.
The IBM 3192 terminal scans 33.3 KHz horizontal and 60 Hz vertical.
The IBM 3192 G terminal scans 26.6 KHz horizontal and 60 Hz vertical.
The IBM 3192 Mono terminal scans 36 KHz horizontal and 60 Hz vertical.
The IBM 3197C terminal scans 27.7 KHz horizontal and 65 Hz vertical.
The IBM 3197D terminal scans 33.8 KHz horizontal and 60 Hz vertical.
The data display (monitor or projector) being interfaced must exceed or at least match the horizontal and vertical scan rates of the terminal.

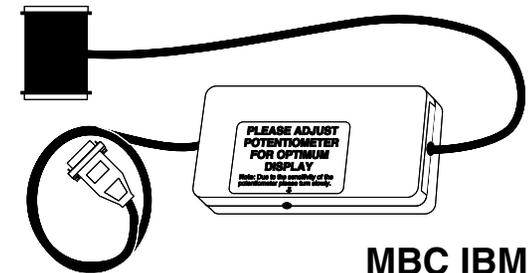
MBC 3179 Interface Cable – Technical Description

Extron's MBC 3179/92/97 interface cable provides Extron's RGB 118, RGB 118 PLUS or RGB 202xi computer display interfaces with Red, Green, Blue and Sync signals from an IBM 3179 or 3179G computer terminal.

Design Specifications

- Power – External power is not required.
- Input – TTL and analog level signals from a 25 pin "D" monitor connector.
- Output – Red, Green, Blue, and Sync signals on a 9 pin "D" sub-connector for Extron RGB 118, RGB 118 PLUS or RGB 202xi Interfaces.
- Terminal connector – 25 Pin "D" monitor loop through connector.
- Cable Length – MBC IBM 3179/3192/3197 = 4.5 feet
MBC IBM 3192M = 4 feet

User's Guide



**MBC IBM
3179/3192/3197
(COLOR)
P/N 26-043-01**

**MBC IBM
3192M
(MONO)
P/N 26-043-02**

Introduction

Projection television and video monitor display of the IBM 3179, 3192 or 3197 terminals with full color reproduction and high resolution, requires that the terminal's output signals be matched to projection or monitor display inputs. Extron's MBC IBM 3179/92/97 interface cable, used with Extron's RGB 118, RGB 118 PLUS or RGB 202 χ i computer display interface, provides red, green, blue and sync analog video output signals for interfacing IBM's 3179/92/97 to switchers, video projectors and monitor displays.

MBC 3179/92/97 – Product Description

Extron's MBC 3179/92/97 "Monitor Breakout Cable" inserts between the terminal's Logic Element 25 pin monitor output connector and color monitor cable providing local monitor viewing and interface signal transfer. A 4 foot cable with a signal preprocessing interface is provided for signal transfer from the MBC to an Extron RGB 118, RGB 118 PLUS or RGB 202 χ i interface.

MBC 3179/92/97 or MBC 3192M Cable Installation

The following installation instructions refer to the MBC IBM 3179/92/97 but also apply to the MBC IBM 3192M. Circled letters in the text refer to points within the diagrams on the facing page.

⚠ — Make the following cable connections between the base unit (Logic Element) and local monitor display (Video Element) with power "OFF".

1. Locate the 3179/92/97 Logic Element video monitor output cable marked '2' inserted in connector 2 of the Logic Element (A). Remove the 25 pin "D" connector from the Logic Element connector 2 in preparation for Extron's MBC cable connection.
2. Locate Extron's MBC 3179/92/97 cable (B) and insert the female end (C) of the MBC connector into the Logic Element monitor output connector 2 (D) and secure with mounting screws.

📄 — Make sure Extron's MBC connector is inserted into the terminal's 25 pin "D" monitor output port, connector 2 (D) located on the Logic Element. Do not insert the MBC connector into the 25 pin connector located on the Video Element or Color Monitor (E).

3. Insert the system monitor (Video Element) cable female connector (F) into the MBC male connector (C) and secure with the monitor cable connector securing screws.

The 3179/92/97 local terminal monitor will now display text and graphics.

Interface Installation

1. Attach the MBC female connector (C) to an Extron RGB 118, RGB 118 PLUS or RGB 202 χ i interface input male 9 pin "D" connector.
2. Install the RGB interface per the instruction manual provided with the interface. Make adjustments to the projection or monitor display as provided by their respective operating manuals.
3. Power on all equipment and check for proper operation. Using a small screwdriver, adjust the potentiometer in the MBC "signal preprocessing interface" (H1) for optimum display at the display device attached to the interface. (See H2 for location of adjustment opening in plastic case.)

The IBM 3179/92/97 Interface installation is now complete.

