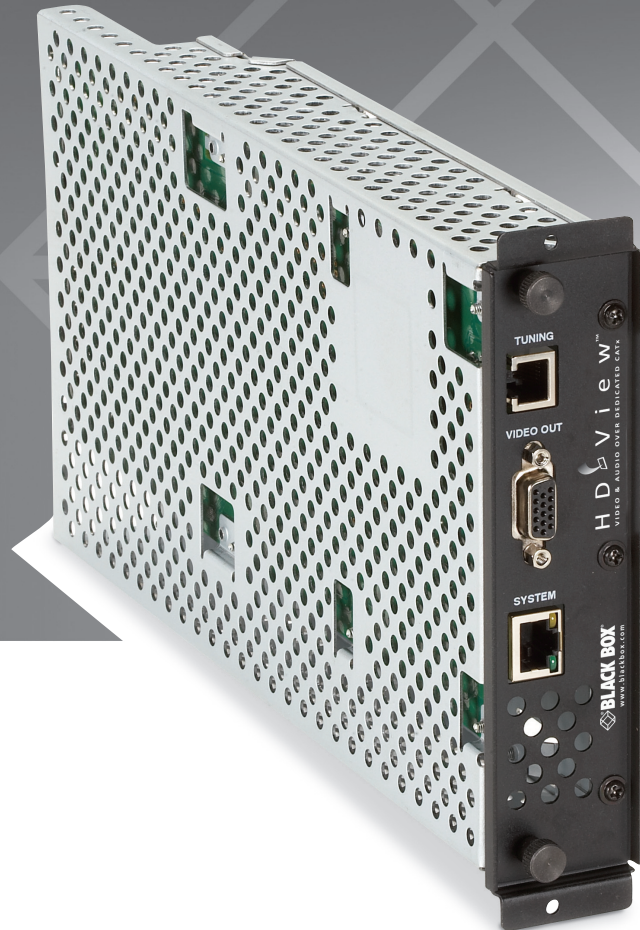


## HD View – NEC-Integrated Receivers

Get perfect HD image  
and sound quality  
every time.

Insert these neat,  
made-for-NEC receivers  
directly into your display.



### Specifications

**DDC:** Complies with VESA DDC-2 specification

**Distance (Maximum):** AC3003A-NEC: 360 ft. (109.7 m);  
AC3004A-NEC: 1000 ft. (304.8m)

**Input/Output Video Signals:** Analog Signal RGB;  
0.7v p-p; 75 ohm

**Resolution (Maximum):** 1920 x 1440 at 60 Hz  
(depending on the cable length)

**Serial Baud Rate:** 57 kbps

**CE Approval:** Yes

**RoHS:** Yes

**Skew Compensation (Maximum):** 63 nsec

**Connector Type/Gender:** RJ-45 / F; VGA HD15 F;  
AC3004A-NEC only: Control: RJ-11

### Overview

Part of our HD View™ modular multimedia transmission system, these receivers may be inserted directly into your NEC display to extend HD video and stereo audio transmission up to 1000 feet (304.8 m).

These units are compatible with HD View Transmitters (AC3000A, AC3008A, AC3016A), Line Splitters (AC3001A, AC3002A), Receiver (AC3005A), and Tuner (AC3006A).

# HD View – NEC-Integrated Receivers

## Installation Steps

1. Turn the display off completely, using the hard on/off switch, or disconnect the equipment fully from the main power supply.
2. The receiver must be placed in the plug-in slot designed for this purpose. It is located on the left side of the display near the carrying handle.
3. Remove the carrying handle by loosening the two Phillips-head screws.
4. Remove the cover panel over the plug-in slot by loosening the two Phillips-head screws.
5. Ensure that the receiver is inserted with the right orientation. Orientation is correct when the tuning port is on top and the connector labeling is not upside down.
6. Use the screws that previously held the cover panel in place to secure the receiver.
7. Re-attach the carrying handle. Ensure that the screws are properly tightened (1.39 – 1.89 Nm torque).
8. Connect the CATx cables between the system ports of the Broadcaster and the Receivers.

## Operating and Maintenance

1. Understanding LEDs: The table below explains the functions of the LEDs of the units in the system. There are very short interruptions that can be observed in the "On" state of the LED caused by presence scanning that the Transmitter performs.

Unit	LED	Function
Transmitter/Broadcaster	Front Panel – Green	Power Indicator
AC3003A-NEC and AC3004A-NEC	Rear Panel – RJ-45 System Port Green/Yellow	Green – Power Indicator Yellow solid – Unit is connected to the system Yellow blinking – Bi-directional RS-232 communication (only possible when using one receiver at a time)

2. Tuning: In order to achieve the best possible picture quality, you must tune the system. You can tune the system from the Transmitter position or from the Receiver itself. By tuning from the Receiver, you have the advantage of being able to see the tuning, right on the screen. To tune from the Broadcaster position, please see the Transmitter's user guide; to tune from the Receiver's position, connect the Serial Download cable to the Receiver Tuning Port and the Serial port of a computer that carries the Service Utility. See Figure 1 below.

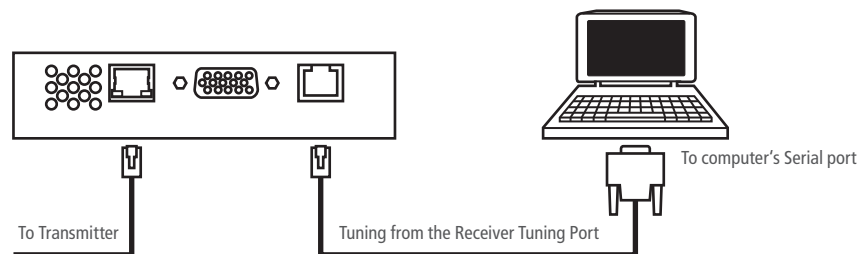


Figure 1: The proper connection for tuning the system from a computer that has the Service Utility software.

## Troubleshooting

1. If the green LED is not on:
  - a. Is the receiver correctly positioned in the slot? Are the screws tightened?
  - b. Is the display turned on?
2. If the LED is on, but there is no picture:
  - a. Have you selected "Option" as input?
  - b. Although it is unlikely, please check to see if the dip switches in the back of the unit (behind the black 60-pin connector) are in the correct position. The dipswitches on the unit must be set as follows:

Position	1	2	3	4
State	Off	Off	On	On

3. If the picture is out of focus:
  - a. Has the correct resolution been set?
    - NEC MultiSync® LCD4020, LCD4620: 1360 x 768
    - NEC M40, M46 and MultiSync LDC5220, LCD6520, L&P: 1920 x 1080
  - b. The display has possibly been set up for a different size. Press the "Size" button on the remote control until "standard" is displayed in green in the top right-hand side of the screen.
  - c. Has the unit been tuned properly? [See "Operating and Maintaining Instructions / Tuning"]



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AC3003A-NEC, rev. 1

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