⊕ AIPHONE

GH-VAX

CCTV Interface Module for GH Multi-Unit Video Entry System
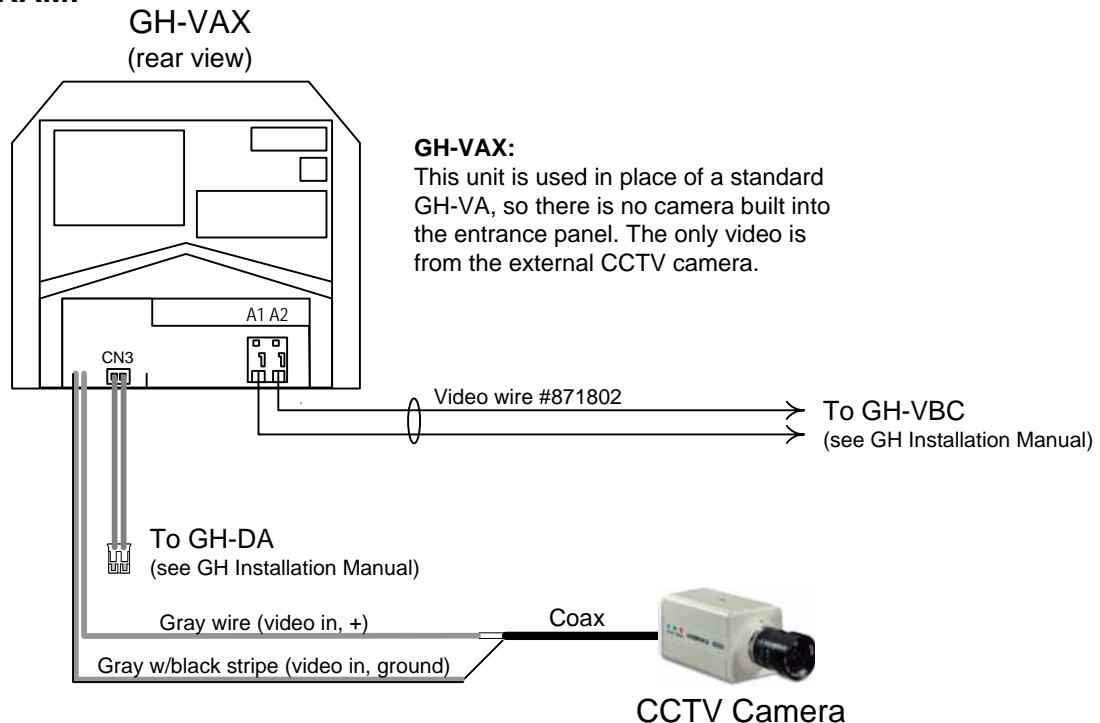
- INSTRUCTIONS -

The GH-VAX is a video module that provides a connection for an external CCTV camera for viewing a wide area surrounding the GH entrance panel. When a visitor calls from the entrance station, the view from the separate CCTV camera will be seen on the tenant's monitor station. The GH-VAX module will be installed in the entrance panel, but will not be seen.
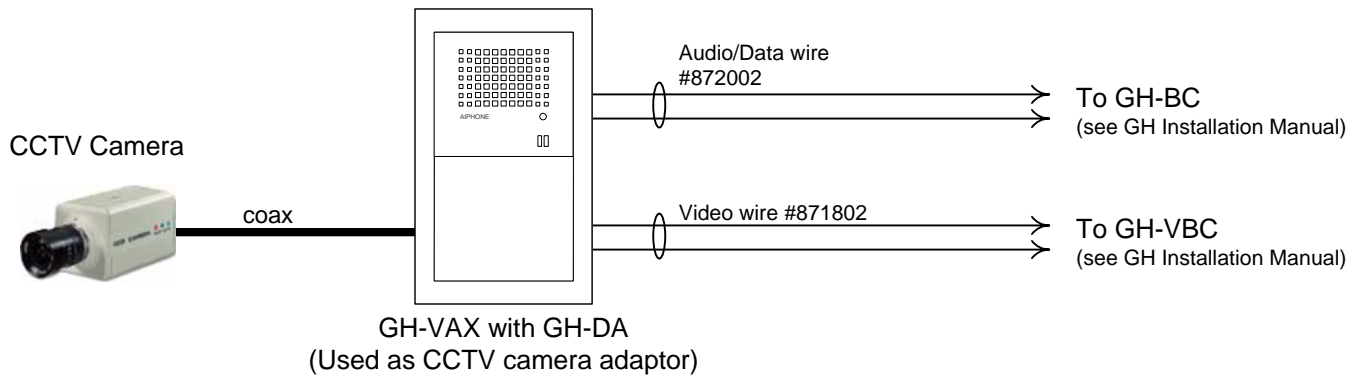
ENTRANCE PANEL CONFIGURATION:

1. The GH-VAX module takes the place of the standard GH-VA module, and must be located in the entrance panel.
2. A blank plate (GF-BP) is required to cover the GH-VAX, so it will be out of sight from the outside of the panel.
3. The remote CCTV camera connects to the back of the GH-VAX module as shown below. The camera location is intended to provide a wider view of the lobby or entry area, other than a direct frontal view of the visitor.
4. Build the remainder of the GH entrance panel in the same manner as any other GH station, with the GH-DA Audio Module connected directly with the GH-VAX, then all other modules connected as designated in the GH Installation & Operation Manual.
5. Programming and operation of the GH entrance panel is the same as the standard GH panel, The only difference is that the video signal is from a remote camera instead of resident in the panel.

WIRING DIAGRAM:

GH-VAX
(rear view)

GH-VAX:
This unit is used in place of a standard GH-VA, so there is no camera built into the entrance panel. The only video is from the external CCTV camera.

A1 A2

CN3

Video wire #871802

To GH-VBC
(see GH Installation Manual)

To GH-DA
(see GH Installation Manual)

Gray wire (video in, +)   Coax

Gray w/black stripe (video in, ground)

CCTV Camera

OPTIONAL CONFIGURATION (Stand-alone CCTV Adaptor):

1. GH-VAX can be used as a stand-alone CCTV adaptor if system capacity allows it. This station counts as and is programmed as an entrance panel.
2. Stand-alone camera panel should be comprised of (1) GH-VAX, (1) GF-BP, (1) GH-DA, (1) GH-DP, (1) GF-2F. Either GF-2B (semi-flush) or GF-102HB (surface mount) should be used for mounting the hardware.
3. The GH-DA associated with the GH-VAX must be programmed to allow tenants the ability to monitor the CCTV camera. This can be done most easily via the 'TRANSFER DATA' command on GH-NS or GH-MK (see pg. 30, 34). This will transfer data FROM the already-programmed GH-NS or GH-MK to the GH-DA being used as a stand-alone unit with the GH-VAX.
4. Video image will come from the remotely located CCTV camera, and will be powered on only when the stand-alone panel is engaged. This occurs when a tenant cycles through the entrance stations by pressing the KEY button (sequentially) when the system is in standby mode. (If a visitor calls from an entrance station, tenant viewing will be cut off).

CCTV Camera — coax — GH-VAX with GH-DA (Used as CCTV camera adaptor)

Audio/Data wire #872002 → To GH-BC (see GH Installation Manual)

Video wire #871802 → To GH-VBC (see GH Installation Manual)

OPERATIONS:

1. Visitor comes to Entrance panel and calls tenant. (See standard operational instructions.)
2. Video image will come from the remotely located CCTV camera, and will be powered on only when the entrance panel is engaged, or when a tenant selects that entry to be viewed. If full time video is required from that camera, alternate connections are required.
3. When the tenant concludes the call, the video camera will turn off.

Note: Monitor mode functionality (of a entry station or GH-VAX in stand-alone configuration) is of the lowest overall priority and will be overridden by any other system communications or calling function.

SPECIFICATIONS:

Power Source:	Supplied from GH-VBC
Video Input:	1V peak-to-peak, 75 ohm (composite video)
Mounting:	GH-VAX video module mounts inside GH entrance panel in place of standard GH-VA module. Use GF-BP blank panel to cover the GH-VAX module
Terminations:	Color-coded prewired pigtails, connector, and tension terminals
Wiring:	2 conductor, non-shielded, solid wire from GH-VBC. Use Aiphone 871802 wire.
Wiring Distance:	330' from GH-VBC
Dimensions (HxWxD):	3-5/8" x 4-1/4" x 2"

NOTE: Only information concerning the GH-VAX is shown here. For complete system installation, please refer to the GH installation manual.

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