



ProVision Intercom Handset

Privacy

The ProVision Intercom Handset allows for more privacy when answering intercom calls. Using a handset, the operator can communicate more clearly with intercom stations.

Redundancy

The handset is integrated with the ProVision Control System and can operate as a stand-alone master station or be included in a priority list of master stations along with the touchscreen control station.

Fully Featured

The ProVision Intercom handset is still the fully featured HMI that is used with our standard system. Control doors, answer intercoms, view video streams, and more.



Major Features

- Hands-free or handset selectable.
- Direct integration with MTI's ProVision Control System.
- Video streaming integration with OnVIF Profile-S compliant surveillance systems.
- Roll-over and priority calling.
- Intercom audio recording.

Montgomery Technology, Inc. has developed the ProVision Intercom Handset for use as a stand-alone master station for intercom traffic while maintaining close integration with the rest of the MTI Detention Control System. As a standard, MTI typically implements the intercom master keypad directly within the Human-Machine-Interface on the touchscreen control station. This new intercom handset allows that intercom master functionality to be handled on a separate device, freeing up the touchscreen station for other inputs and outputs. The handset is closely integrated with the touchscreen station that it complements. Intercom stations that are directly selected on the touchscreen control station will automatically answer on the handset. If the handset goes offline, the touchscreen's master keypad can answer the call, or the callin can be set to roll over to an up-stream handset.

Intercom communications are transmitted via standard TCP/IP communications with the use of G.711 audio encoding. The handset's keypad is designed to be familiar to operators who are familiar with MTI's ProVision keypad. Intercom callins are stacked by priority in a queue that is presented to the user by the name of each intercom station. The operator can select a callin from the queue or click the "SEL" button to select the next callin in the queue. The operator can also answer the next callin on the queue by picking up the handset. Communications are "half-duplex". When the operator selects the intercom, he or she will immediately hear the audio from the intercom station. By pressing and holding the "PTT" button, the operator can talk to the station. The operator can end the call by pressing the "RST" button, or by hanging up the handset.

Extended Features and Benefits

The ProVision Intercom Handset allows for audio recording of all intercom traffic. These recordings are stored on the associated logging server and can be accessed through MTI's Dragonfly AR reporting application.

Because the handset runs a fully functional version of MTI's ProVision HMI software, the device can do more than just answer intercom calls. It can also be used as a control station, and is particularly suited for areas, like a lobby or admin area, where control of a small number of devices is needed.

The handset can integrate with any OnVIF Profile-S video surveillance system to provide a direct view of video streams. The video streams can also be associated with intercom callins so that specified camera streams are displayed when certain callins are selected.

This feature is designed around the Grandstream GVX3370 IP Phone handset. MTI tailors the Grandstream device to meet the security expectations of a detention facility, preventing the use of the device for consumer-related applications.

System Requirements

- Android 7.1+ (API 24+)
- MTI's ProVision Detention Control System with Log Server (version 4+).
- MTI's 91795 Embedded Controller
- MTI's 91643 Digital Amplifier

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