



panacom[®]

Installation and Operation Manual

Model Q916



This manual is suitable for the following components:

Part Number	Description
PANQ916KS	Kit (Silver door, silver master room, power supply)
PANQ916KG	Kit (Grey door, silver master room, power supply)
PANQ916K/SP	Stainless steel door plate Kit (Door, silver master room, power supply)
PANQ916K/GP	Gold door plate Kit (Door, silver master room, power supply)
PANQ916M	Silver master room station
PANQ916S	Silver room station
PANQ916DG	Grey door station
PANQ916DS	Silver door station
PANQ916MUS	Music module

Introduction

The Panacom Q916 Audio Intercom System offers the latest in audio intercom technology featuring crystal clear communication, security, flexibility, reliability and convenience.

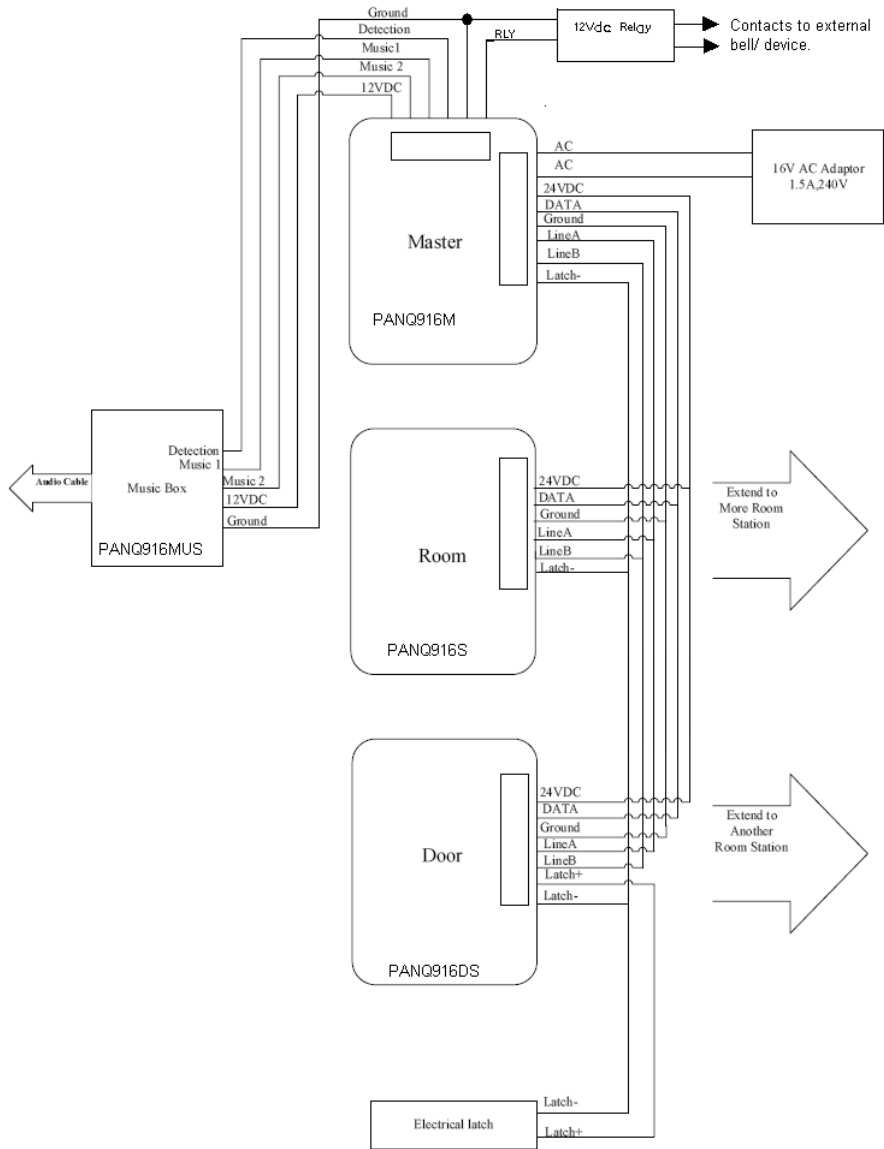
It has the following features:

- Easy to operate. All the functions of the Panacom Q916 can be controlled from any room station using only three buttons.
- Paging feature allows communication to all room stations.
- Hands free reply.
- Volume can be individually adjusted on each station.
- Mute feature for privacy mode.
- Baby monitoring feature.
- Expandable to 2 door stations and up to 16 room stations.
- Electronic door unlock function allows doors or gates to be opened from any room station.
- Auxiliary 12V DC output to trigger external devices.
- Listen to background music from an auxiliary input music module. Music will mute when door bell is activated.

Technical Specifications

Power Requirements	16V AC 1.5Amp.
Power Consumption per unit	25mA (idle), 55mA (busy), 500mA (with door latch powered).
Operating Temperature	0° to 50°C.
System Cable	3 pair solid core twisted cable between stations (shielded preferred). If select music playing function, master room should wire optional music module. Figure 8 cable for electric door latch
Cable length	200m total cable length.
System Capacity	1 Master Station, 2 Door Stations, 15 Room Stations.
Door Chime	Electronic two-tone chime. Front and back doors have distinguishable chime tone
Door Latch	12V DC – 16V DC 500mA max.
Dimensions	Room Station: 119(W) x 74(H) x 25(D)mm. Door Station: 74(W) x 119(H) x 25(D) mm.
Auxiliary Doorbell Output (RLY).	12V DC @ 300mA

Installation



- Before installing the system, refer to “ID settings” on page 7.

- Use 6 core cable (14/020) or CAT5 cable between all stations.
- Figure 8 cable is required between the Door Station and electric door latch.
- 12V DC auxiliary output provided on the master station when door bell is pressed. Figure 8 cable is required from Master station to auxiliary device.
- Wire each station according to the wiring diagram; follow the colour codes on each terminal carefully.
- Power supply plug pack should be installed as close as possible to the Master Station in a ventilated and accessible area, for example, in a cupboard, pantry or wardrobe. *The plug pack should never be located in the roof or under the house.*
- It is preferred that all system wiring runs back to the Master Station – “Star Configuration”. If this is not practical, cables can be looped via Room Stations back to the Master Station.
- All wiring should be kept as short as possible. Exceeding 200m of total wiring may degrade communication quality.

Caution: To avoid electrical interference, be careful not to run intercom cables near mains cable or through the same ducting or conduits as mains cable.

Caution: To avoid audio feedback, units should be installed at least 5 metres apart, not in the same room or back to back on a common wall. Do not install near light dimmers, fan controllers or other radio interference sources.

If wiring with Category 5 cable, please ensure the twisted pair cables are wired according to the table below:

System Terminals	Cat 5 cable
+24Vdc (Blue)	Blue
Data (Green)	Green
Ground (Yellow)	Orange Green/White
Audio + (Red)	Brown
Audio – (Black)	Brown/White
Latch – (White)	Blue/White Orange/White

Music/Auxiliary Terminals	Cat 5 cable
Ground (1)	Green/White Blue/White
RLY relay (2)	
+12V (3)	Blue
MUA (4)	Brown
MUB (5)	Brown/White
DET (6)	Green

Music module

The Q916 System allows background music to be played from the master and room stations. This is possible by using the music module (PANQ916MUS). The music module allow any external music device such as MP3 player, iPod or radio to be plugged into the 2.1mm jack.

Features.

Music function is an optional accessory. After wiring the music module to the master room (refer to installation), all room stations (including the master station) will have the music playing. And the music volume can be adjusted through the Volume Control on each station. When talking, monitoring and paging modes are being used, the piped music will stop. Once the mode is finished being used, the music will resume.

Note: the music track or radio will continue to play and will not pause when a mode is used. All music functions are controlled at the music player.

Music can be muted by pressing ☒ CANCEL button. Press ☒ CANCEL button again to un-mute.

NOTE

The door station is designed to be weather resistant against normal weather conditions. It is not waterproof. We strongly recommend the door station be installed as best as possible to avoid water from getting into the unit. Do not spray or hose water directly at the door station. **THIS WILL VOID WARRANTY.** If mounting in this position is required, please contact your supplier or PSA.

Fused Plug Pack

The plug pack you have purchased has an internal fuse to prevent overheating and fire caused by overload and short circuits. This is a requirement of the Energy Authority. If you short out the leads, even for a fraction of a second, the internal fuse will operate with the result that the plug pack will have no secondary output.

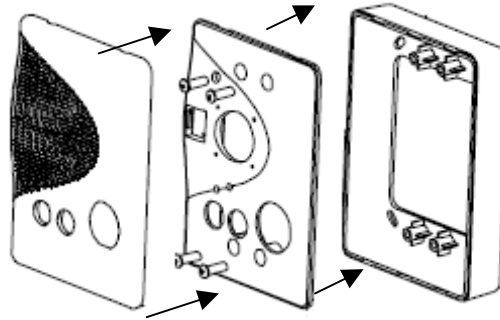
Fused plug packs will not be replaced under warranty as the only way for them to fail is by a direct short circuit.

When installing plug packs, do not power the unit until you have inserted the leads into the fixing holes.

If you purchase a flush mount plate door kit (PANQ916K/SP or GP), the door stations can only be flush mounted. A wall box is available if required (PANWBOX). Cut out size: 90mm W x 160mm H x 50mm D.

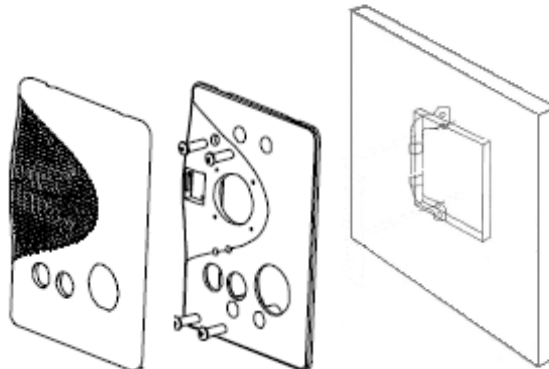
Surface Mounting Instruction

Fix the surface mount base to the wall.
Install Station onto the base with screw provided.
Replace the front cover onto the station.
Refer to diagram below.



Recess Mounting Instruction

A single wall mounting clip (not included) is required for flush mounting.
Cut out the wall board to 96mm (H) x 65mm (W) by using the back cover as a template.
Recess the station into the wall and fasten the station onto the wall mounting clip. See diagram.



ID Setting

Behind each station is a rotary ID dial. Each station must be addressed to a specific and unique ID setting.

Room Stations.

Each Room Station is required to be configured to its unique station ID address. *Each room station must have a different ID to each other.* Gently turn the dial with a fine blade screw driver with the arrow pointing to the ID number as tabled below. Maximum number of internal room stations allowed is sixteen.

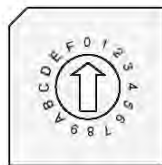
Door Stations.

If more than one Door Station is installed, set the second (secondary or back door) door station to its correct ID setting (F). The first (primary or front door) Door station (E) can operate the door latch at all times. The secondary door station can only operate an electric latch when it is in communication mode.

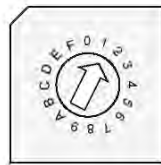
Turning the dial with excessive force will cause damage and void warranty.

Station	ID Setting
Master	0
Room	1~9, A~F
Door (Primary)	E
Door (Secondary)	F

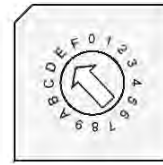
For Example:



Master Station

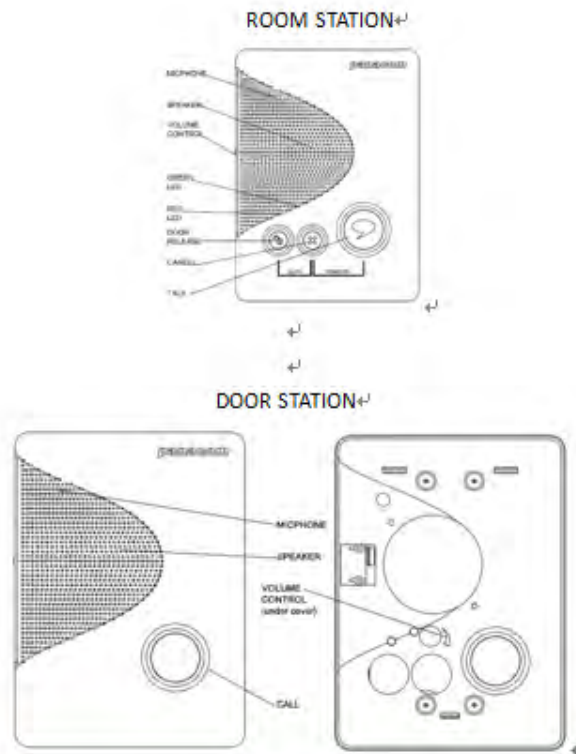


First Room station



Primary/Front Door

Operating Instructions



Operating the Door Station.

Press the CALL button on the door station will ring a chime to all room stations.



The door station can be answered by *pressing and holding* the TALK button on any room station to talk and releasing the talk button to listen.


Pressing the CANCEL button will end conversation. If cancel is not pressed, the system will auto-cancel after 30 seconds.



If a door latch is installed, pressing the unlock DOOR button momentarily will open or unlock the door.




The volume control is located behind the metal cover just above the cancel button. Adjusting the volume will alter both intercom and door chime volume for that door station only.

Operating the room station.

Paging. General paging throughout all stations, except the Door Station, can be performed by pressing and holding the  TALK button while talking and releasing to hear a reply. To answer the intercom page, the responder presses the  TALK button once to respond to the page and can then reply hands-free. The caller must hold the TALK to talk and release to listen.

Pressing the  CANCEL button will end the conversation. If cancel is not pressed, the system will auto-cancel after 30 seconds.

Mute. Any Room Station can be muted or locked-out for privacy. Pressing and holding  CANCEL first *then*  DOOR Release button, will cause that station to be muted. When a station is muted, it will not be able to hear the door chime, a monitored station or intercom page. Mute can be cancelled by pressing the cancel button on that station.

Monitor. Any Room Station can be monitored by other Room Stations. Pressing and holding the  CANCEL first and *then*  TALK button together on the Room Station will initiate monitoring mode. Monitoring can be cancelled by pressing the  Cancel button of the monitored room station. Only one Room Station can be monitored at any one time.

LEDs. The Panacom Q916 is equipped with red and green LEDs to indicate system mode and status. The table below describes the functions of each LED indicator.

Action/Status	Red LED	Green LED	Blue LED
System standby or default.	Solid		
Door Station in standby or activated mode			Solid
Room Station responding to Door Station		Solid	
Room Station initial intercom page	Flashing		
Answering a Room Station intercom page		Solid	
Room Station in Mute mode	Solid	Solid	
Room Station being monitored		Flashing	
Room Station listening to monitored station		Solid	

Volume Control. All Stations have individual volume control located on the side of each room station. Adjusting the volume will alter the volume of both intercom sound and door chime for that station only.

General Care & Cleaning

Important Precautions

- **DO NOT** press the Door Release button continuously for long period of time as this could cause an overload.
- **DO NOT** drop, shake, or subject units to shock.
- **DO NOT** clean the units with benzene, thinners or any solvents.

Cleaning

To clean simply wipe with a soft cloth, dampened slightly in a mild soap solution. **DO NOT** spray with an alcohol polish as it may enter the units and cause damage. **DO NOT** use abrasive cleaners as they may damage the finish.

*Dear Installer,
Thank you for your continual support.
Please leave this manual with the home owner*

Installed By:

Date of installation:

Warranty: PSA Products warrants our products against defects, faulty workmanship and materials for a period of 12 months. This warranty does not cover damage or failure caused by Acts of God, abuse, misuse, faulty installation, improper maintenance, any alterations or repairs undertaken or attempted by others. All returns for replacement or repair will be prepaid by the sender. Proof of purchase will be required.

For quick and easy product warranty registration and efficient post-sales service, register on-line through our website.

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