

# GDX Audio Apartment Station



A PARALLEL SLAVE HANDSET CAN BE ADDED ONTO A MAIN HANDSET.

REMOVE LINKS LK1 & LK2 IN THE 2ND HANDSET ONLY AND CONNECT WIRES 1,2,3,4 & "EXT PRIV+" BETWEEN THE TWO HANDSETS.

ONLY 1 PARALLEL SLAVE HANDSET CAN ADDED PER MAIN HANDSET.

THIS APPLIES TO APT STATIONS ALSO BUT NOT TO VIDEO HANDSETS. ONLY A SLAVE AUDIO HANDSET CAN BE ADDED ONTO A MAIN VIDEO HANDSET.

## Terminals

- 1 Mic (Speech Out) white/blue
- 2 Speaker (Speech In) blue/white
- 3 Ov white/orange
- 4 12 VDC orange/white

### **IMPORTANT NOTE :**

1) Before replacing the handset make note of the wires to each terminal on the existing unit (an easy way is to cut each core off leaving a piece of the insulation in place with colour visible) twist unused cores together (so you know they are not used, do not short them out).

2) Some older systems will have cable with one coloured core and a solid white core in this case mark each core with a marker or tape.

3) Some systems may have loop on wiring, you will have 2 cables into your handset (make sure any joins remain, as these may be serving other flats on the system).

# How To Operate Apartment Station

## **GENERAL DESCRIPTION**

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Your audio door entry apartment station allows you to communicate with the caller at the door entry panel and then release the door lock if you wish to do so to admit them. It also allows you to contact the concierge (if available) and request them to call you back in your dwelling.

## **OPERATION**

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If your apartment station is called then it will sound an electronic tone and the LED labelled privacy will light up green. If you do not wish to answer the call ignore it and it will time out after a period of time. No speech can be heard either way until the call is answered. To answer the call press the button labelled accept and speech will now be present both ways between the apartment station and the door panel. You may open the door by pressing the enter button to allow the caller to enter. If you do not wish to admit the caller press the accept button again to cancel down the call. The call will automatically time out after a period of time after it has been accepted.

If you do not wish to be disturbed press the privacy button and the privacy LED should light up red. As long as this LED is illuminated red no calls can now be made to your phone. To revert to normal operation press the privacy button once more and the red LED will go out again. The duration that your phone is in privacy is timed by the system. At the end of the system time period your phone will automatically revert to normal operation. This time period is normally set for 6 hours.

If the red LED labelled enter lights up then the door at the entrance to your block has been left open. Close the door to reset the enter bulb.

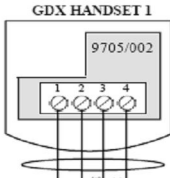
If a concierge facility is available the top button labelled concierge can be used to indicate to the concierge operator that you wish them to call you back in your dwelling. The concierge operator will then call you back in the normal fashion by ringing your apartment station when available to do so.





APARTMENT STATION WIRING IS IDENTICAL TO HANDSET WIRING.

3 PAIR CW1308 CABLE (MAXIMUM 50 METRES)

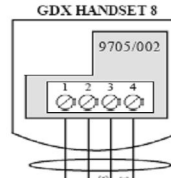


THE CABLING SPECIFICATIONS QUOTED ARE NOT VALID FOR UNDERGROUND CABLING.  
 ALL POWER CABLE SPECIFICATIONS GIVEN ARE ILLUSTRATIVE ONLY AND MUST BE SELECTED DEPENDANT ON SITE SPECIFIC CABLE LENGTHS AND LOCK TYPES TO AVOID EXCESSIVE VOLTAGE DROP WITHIN CABLING.

If Radio Interference Is Picked Up On The Handset Cabling Then Unconnected Cores Within A Handset Cable Should Be Grounded to 0V (No 3 Screw) At Both Ends Of The Cable.

If This Is Not Effective In Dealing With The Problem Then A Suitable Screened Cable Can Be Utilised To Prevent The Pickup.

If This Is Still Not Effective Then A Ferrite Core (Steward Part No 28B1020-100) Should Be Added Onto The Handset Cabling Output Within The Control Rack Enclosure (Grouped In 4's).



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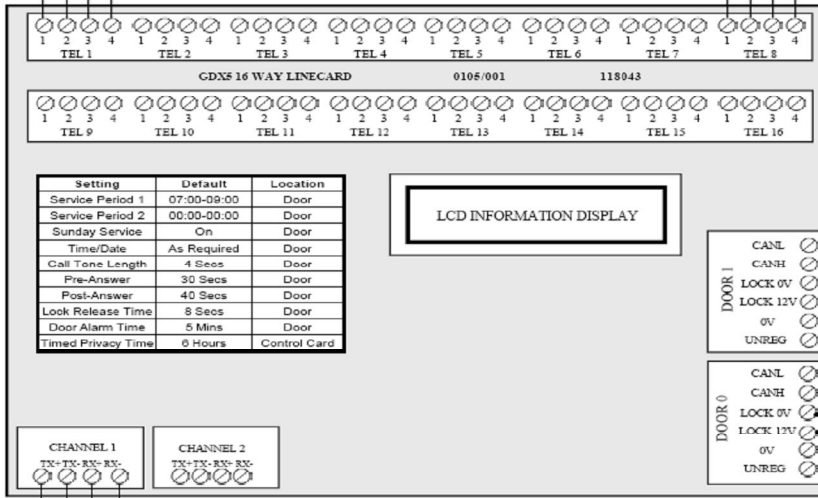
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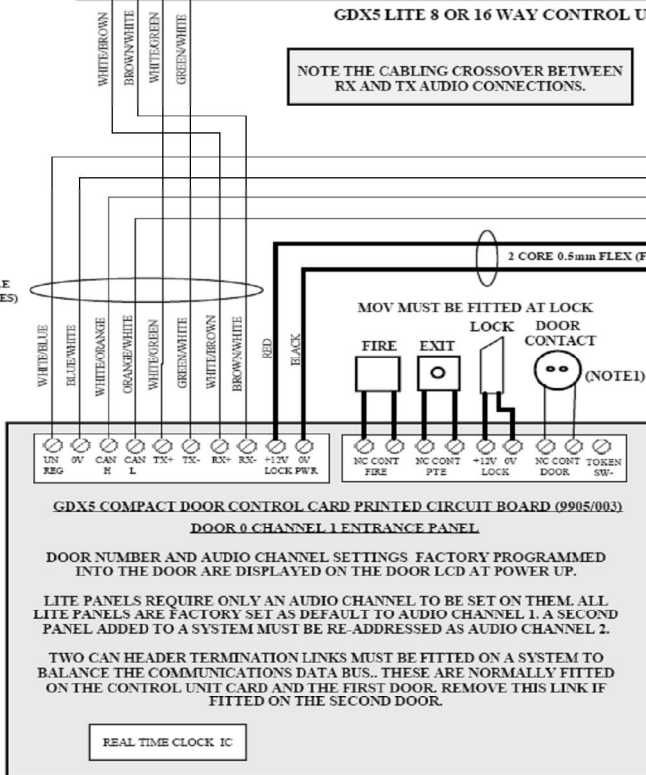
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GDX5 LITE 8 OR 16 WAY CONTROL UNIT

NOTE THE CABLING CROSSOVER BETWEEN RX AND TX AUDIO CONNECTIONS.

6 PAIR CW1308 CABLE (MAXIMUM 100 METRES)



GDX5 COMPACT DOOR CONTROL CARD PRINTED CIRCUIT BOARD (9905/003) DOOR 0 CHANNEL 1 ENTRANCE PANEL

DOOR NUMBER AND AUDIO CHANNEL SETTINGS FACTORY PROGRAMMED INTO THE DOOR ARE DISPLAYED ON THE DOOR LCD AT POWER UP.

LITE PANELS REQUIRE ONLY AN AUDIO CHANNEL TO BE SET ON THEM. ALL LITE PANELS ARE FACTORY SET AS DEFAULT TO AUDIO CHANNEL 1. A SECOND PANEL ADDED TO A SYSTEM MUST BE RE-ADDRESSED AS AUDIO CHANNEL 2.

TWO CAN HEADER TERMINATION LINKS MUST BE FITTED ON A SYSTEM TO BALANCE THE COMMUNICATIONS DATA BUS. THESE ARE NORMALLY FITTED ON THE CONTROL UNIT CARD AND THE FIRST DOOR. REMOVE THIS LINK IF FITTED ON THE SECOND DOOR.

REAL TIME CLOCK IC

AS THE LOCK RELEASE, PUSH TO EXIT AND FIREMAN'S SWITCH ALL CARRY THE LOCK CURRENT THEY SHOULD BE RATED ACCORDINGLY ie. 0.5mm 2 CORE FLEX OR SUITABLE TO EACH ONE. (DOES NOT APPLY TO DOOR CONTACT)

NOTE 1 :

DO NOT USE THE CONTACTS WITHIN MAGNETIC LOCKS FOR THE DOOR CONTACT. USE SECURITY CONTACTS INSTEAD FOR DOOR OPEN INDICATION IF REQUIRED.

POWER REQUIREMENTS

THE CONTROL UNIT REQUIRES A MAINS INPUT OF 220VAC / 240VAC 50/60 Hz AND A SUITABLE EARTH CONNECTION INTO THE SWITCHED FUSED SPUR. THIS EARTH CONNECTION PROVIDES THE SAFETY EARTH FOR THE CONTROL UNIT ENCLOSURE AND BACKPLATE.

The following table gives the location, type and rating of each fuse utilised -

Ref	Name / Location	Type	Rating
FM	Mains Fuse Within Spur	240VAC HBC Quick Acting	3A
FS1	Board Fuse On Linecard *	20mm Glass Quick Blow	3A / 6A **
FS2 - FS5	Door Fuses On Linecard *	20mm Glass Quick Blow	1.6A

\* Fuses Located In Vertical Fuse Holders On Card

\*\* Select Depending On Power Requirements Of Door Locks Used

IF SYSTEM IS A 2 DOOR SYSTEM THEN THE 2ND DOOR OR STAND ALONE TOKEN ACCESS READER IS CONNECTED AS SHOWN FOR THE 1ST ONE EXCEPT USING THE DOOR 1 CHANNEL 2 CONNECTIONS. (A STAND ALONE TOKEN ACCESS READER WILL NOT REQUIRE THE AUDIO CHANNEL CONNECTIONS) THE READER MUST BE ADDRESSED AS THE NEXT AVAILABLE DOOR NUMBER ON THE SYSTEM AFTER THE DOORS AFTER THE DOORS HAVE BEEN NUMBERED.