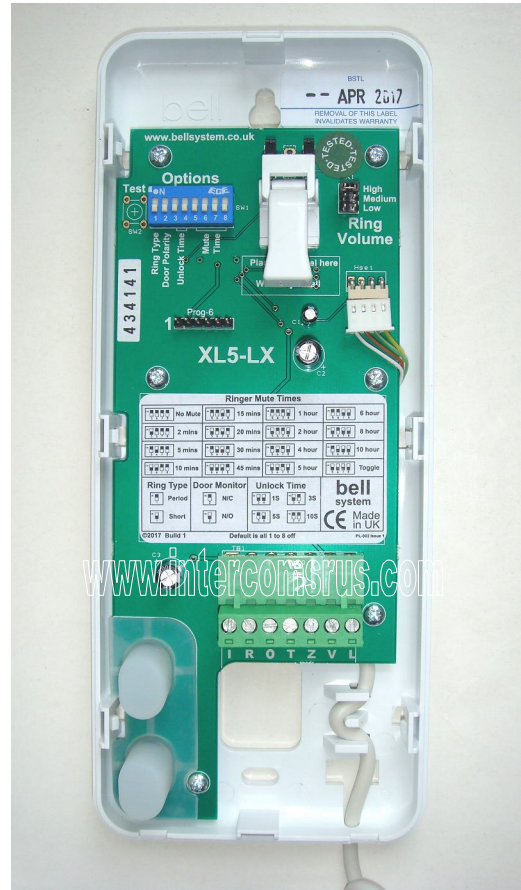


Bell System (BSTL) **XL5-LX**



Terminals

I Call
R Speech
O Common
T Speech
X Lock
V + Led
L - Led

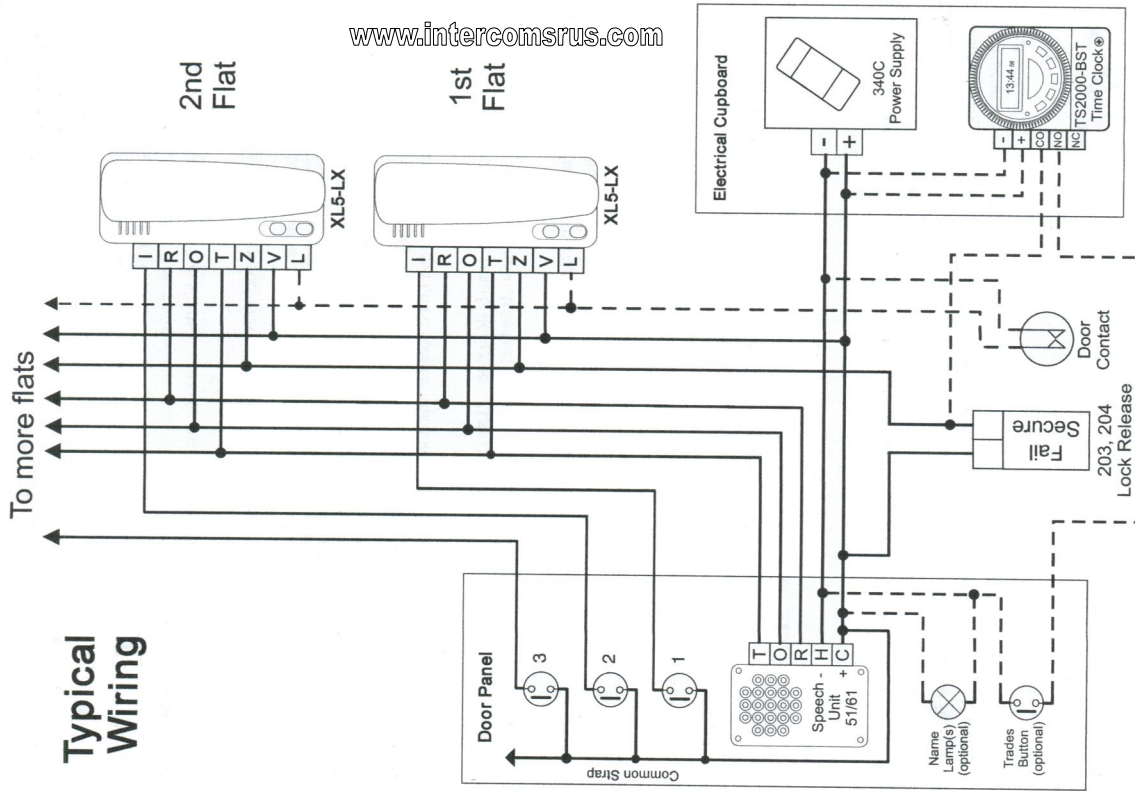
REPLACES BS-LX AUDIO HANDSET

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).

Wiring Diagram

Bell XL5-LX



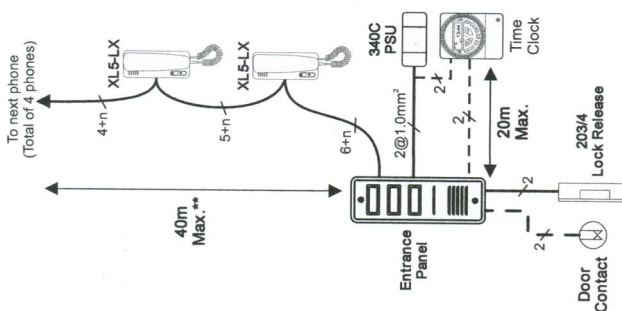
Typical Wiring

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Typical Cabling Overview

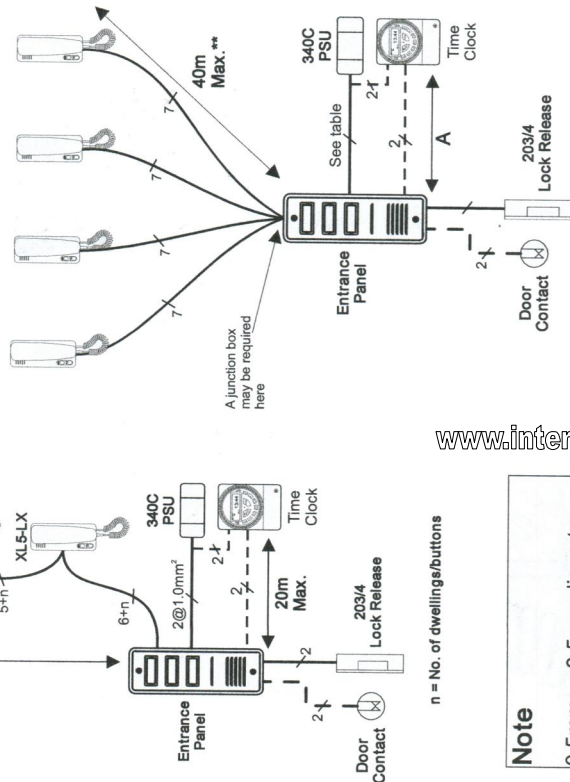
Daisychain Cabling Option

Note: Only recommended for systems up to 4 phones



XL5-LX Specification	
Operating Voltage	8V DC - 15V DC
Idle Current (Max)	20mA
Max. Current (Ringing)	150mA
Max. Lock Current	1A

Star Cabling Option



No. of Phones (Max)	A	No. of Cores	Cable Size
1	5m	2	0.5mm
1	20m	2	1.0mm ²
20	5m	2	1.0mm ²
21-40***	5m	2	1.0mm ²

** For 80m double up on all cores (14 per phone)
 *** Requires a PS4 power supply instead of 340C

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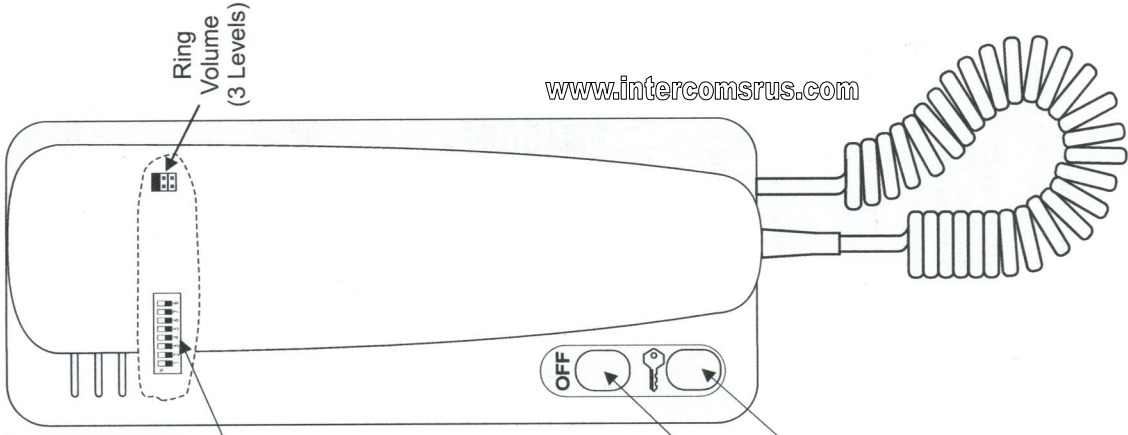
Note
 0.5mm - 0.5mm diameter twisted-pair cable, e.g. CW1308 or CAT5/5e UTP.
 1.0mm² - 1.0mm² Twin Flex or Twin and Earth

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XL5-LX 12V DC Audio Phone

DIP Switch Settings

Ring Type(1)		Door Polarity(2)	
<input type="checkbox"/> Min. Period	<input type="checkbox"/> N/C	<input type="checkbox"/> N/C	<input type="checkbox"/> N/O
<input type="checkbox"/> Short	<input type="checkbox"/> N/O		
Unlock Time(3,4)			
<input type="checkbox"/> 1S	<input type="checkbox"/> 3S	<input type="checkbox"/> 5S	
<input type="checkbox"/> 10S			
Ringer Mute Times(5,6,7,8)			
<input type="checkbox"/> No Mute	<input type="checkbox"/> 1 hour	<input type="checkbox"/> 2 hour	<input type="checkbox"/> 4 hour
<input type="checkbox"/> 2 mins	<input type="checkbox"/> 5 mins	<input type="checkbox"/> 10 mins	<input type="checkbox"/> 15 mins
<input type="checkbox"/> 20 mins	<input type="checkbox"/> 30 mins	<input type="checkbox"/> 45 mins	<input type="checkbox"/> 10 hour
Default: is all off			



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Buzzer Mute button
and Ring Status Indicator
(red)

Unlock button
and Door Status Indicator
(green)

PD-300 Issue 1

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Important Safety Information

The **Power Supply Unit** must be placed in a protected indoor environment such as an electrical cupboard, close to a 240V AC electrical supply and located close to the entrance panel. It must be wall-mounted onto plasterboard, wood or a similar non-conductive material.

Connections to the 240V AC mains supply must be carried out by a qualified electrician or similar competent person, and made in accordance with accepted safety practices. A two-pole switch (as provided by a Consumer Unit or Switch-Fuse) must be included to isolate both Live and Neutral during Installation or Maintenance. The transformer is protected by fuses; always replace these with the correct type and rating.

Use only mains cable to BS6004 or equivalent, within the following specified limits:

Conductor Diameter:	Min. 1.0mm (0.8mm ²)	Max. 2.25mm (4mm ²)
Cable Diameter:	Min. 4.0mm	Max. 8.0mm

The **Door Entry Telephone** is designed to be wall-mounted in a convenient indoor location.

The **Entrance panel**, containing the speech unit, is available with either a surface or flush-mounting back box. Normally this would be mounted on an outside wall near the front door, and if possible in a sheltered location.

The **Model 203 Electric Lock Release** is designed for use on an inward opening door fitted with a surface night-latch type lock. This should be installed with a small amount of play on the door as operation will be impaired if too tight.

Tradesman button (optional): This is used in conjunction with a time-clock to allow tradesmen access during restricted hours.

Cable requirements: For optimum speech clarity, it is strongly recommended that this system is installed using twisted-pair telephone cable (eg type CW1308 or CAT5 UTP). Use one of the pairs for the R & O connections between the speech unit and the telephone. Avoid routing cable which would cause water/rain entering the Entrance Panel.

Installation: Connect all items by following the diagram overleaf. It is strongly recommended that a single telephone be connected at a time and fully tested before proceeding to the next.

Speech adjustment: The speech unit has two controls at the rear for adjustment of speech levels:

- Volume A: Speech level at the Entrance Panel
- Volume B: Speech level at the Telephone

If feedback is experienced (a howl or whistle) turn both controls to 'off' and then slowly adjust each up in turn until a satisfactory level of speech is attained.

Troubleshooting: No speech/insufficient speech: Initially establish correct operation of the Speech Unit by disconnecting all telephones and re-connecting a single telephone with a short length of cable (I R O T V only). Reconnect the telephones one at a time until the fault re-appears. Note the phone must be rung for speech to work.

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