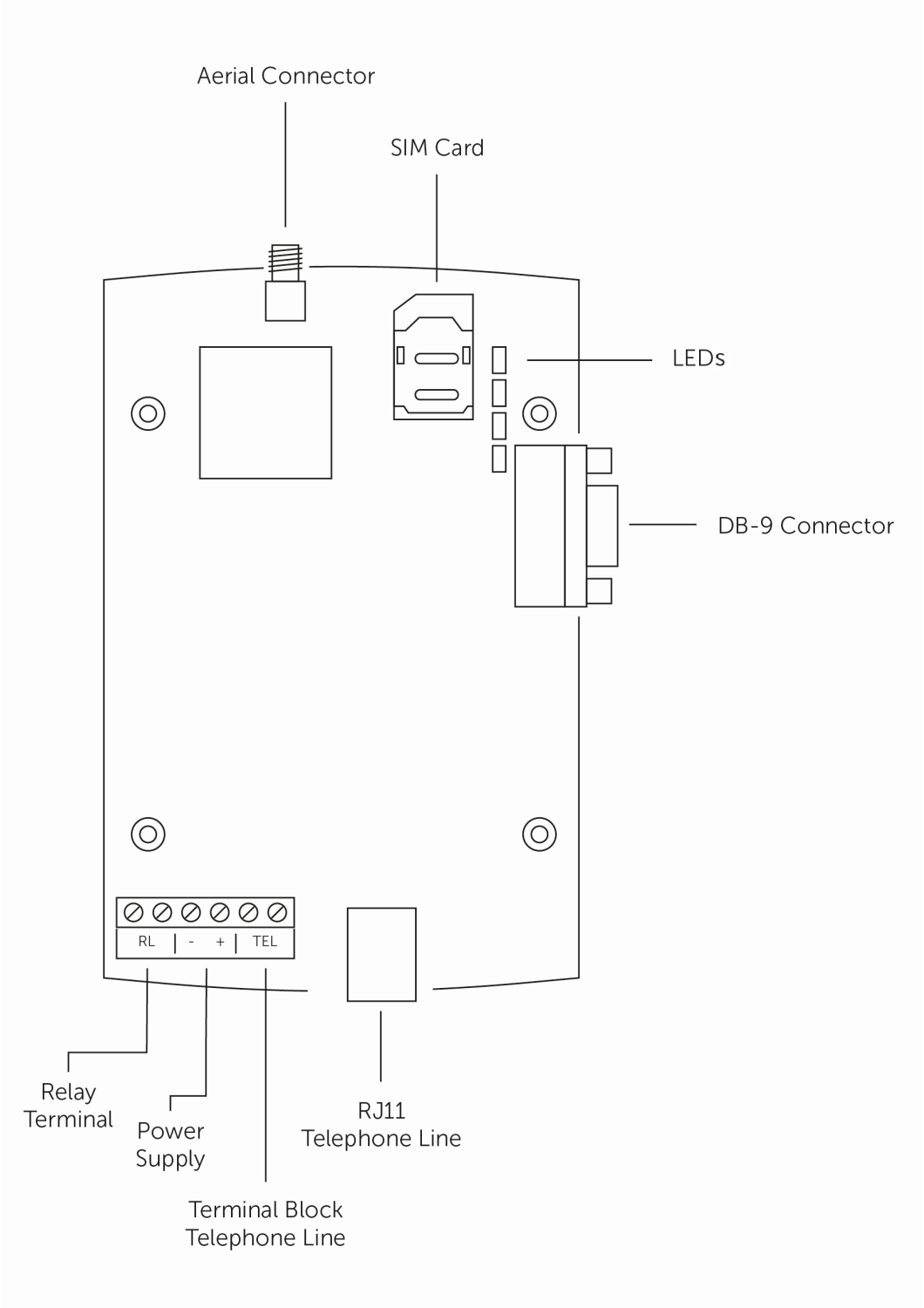
VOICELINK QUICK GUIDE

CONNECTED • SECURE • LIVE

VoiceLink Quick Guide

Introduction



IT'S as Easy as 1, 2, 3!

1. Wire and connect power- Refer to the installation section for information on steps
2. Wait for the red LED to flash to indicate it is connected to the mobile network

3. When the green LED flashes to indicate the signal strength level of the device, providing it is acceptable (refer to the LED section for details), you're ready to make & receive calls! For customisation, please use the CSL Voicelink web application

IMPORTANT - If you want to use VoiceLink Manager to reprogramme your device, you must register for first time use at least 24 hours before access is granted.

Web Application: www.csl-voicelink.com
Installer Zone: https://www.csl-group.com/uk/installer-zone/voicelink.html

QUICK GUIDE

Voicelink is an analogue PSTN to digital converter for devices which use PSTN modems to make voice/data calls. Using the onboard telephone line output, VoiceLink is compatible with a wide range of telephone set connections or autodialled PABX Analogue line connections. VoiceLink is generally designed to be installed as a plug & play device, however, any configuration changes can be made via a web application or a telephone handset.

VoiceLink uses a radio path with a roaming SIM which connects to the best available network to send voice calls, system notifications & trouble indicators via the mobile network. VoiceLink prioritises calls over the 4G/VoLTE network but will fall back to 2/3G where VoLTE is unavailable, offering the best possible resilience.

VoiceLink Quick Guide

Step 1. Site Survey

Use a CSL Signal Analyser to determine if enough base stations (2 or more) are available at the site and that they can supply sufficient signal strength (30% and above). This will determine the optimum location for the VoiceLink’s aerial to be mounted.

If you do not have a Signal Analyser we recommend powering up the VoiceLink, connecting the aerial and checking the signal strength LED to decide where to fit the aerial. See Connectivity LED section for more information on interpreting the LEDs.

VoiceLink Quick Guide

Step 2. Installation

Important: VoiceLink must be installed in a location where you will achieve an acceptable level of mobile signal.

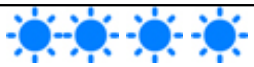
Before power is applied:

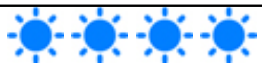
1) Open the product casing from the top using a screwdriver to prise it open
2) Ensure SIM is fitted (this should be pre-installed by CSL already)
3) Attach the antenna by twisting to fit
4) Connect the PSTN modem output of your device to VoiceLink's telephone line input
5) If an output is required, connect accordingly

You can then connect the device to a power supply, plug the back-up battery in and close the lid.

LEDs

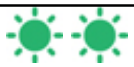
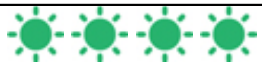
Blue LED: Power Supply Indicator

Initial LED Sequence	Status
No Led	No power
 Flashing	Battery connected but external power supply NOT connected
 Constant (4 secs)	External power supply & battery connected
 Constant	External power supply connected, battery absent or damaged

Followed by LED Sequence	Status
 1 Flash	Battery life = 1 Hour idle state
 2 Flashes	Battery life = 2 hours idle state
 3 Flashes	Battery life = < 7 Hours idle state
 4 Flashes	Battery life = > 7 hours idle state

Green LED: Power Supply Indicator

Initial LED Sequence	Status
No Led	No signal
 Flashing	2G/3G Network
 Constant (4 secs)	4G Network

Followed by LED Sequence	Status
 1 Flash	Low signal
 2 Flashes	Medium signal
 3 Flashes	Good signal
 4 Flashes	High signal

White LED: Power Supply Indicator

Initial LED Sequence	Status
No Led	Line not in use
 Flashing	Incoming call
 Constant (4 secs)	Line is in use

Red LED: Network connection Indicator

Initial LED Sequence	Status
 Flashing	Gateway correctly registered to the network
 Constant	Device not been registered to the network

VoiceLink Quick Guide

Step 3. Wiring

Voicelink has several ports, as shown in the diagram above. Whilst the power, & telephone lines are mandatory, the Relay Output wiring is optional & can be used to notify external power failure and/or mobile network loss. Please follow the below diagrams for assistance in getting your unit up and running

Figure 2. Relay output wiring

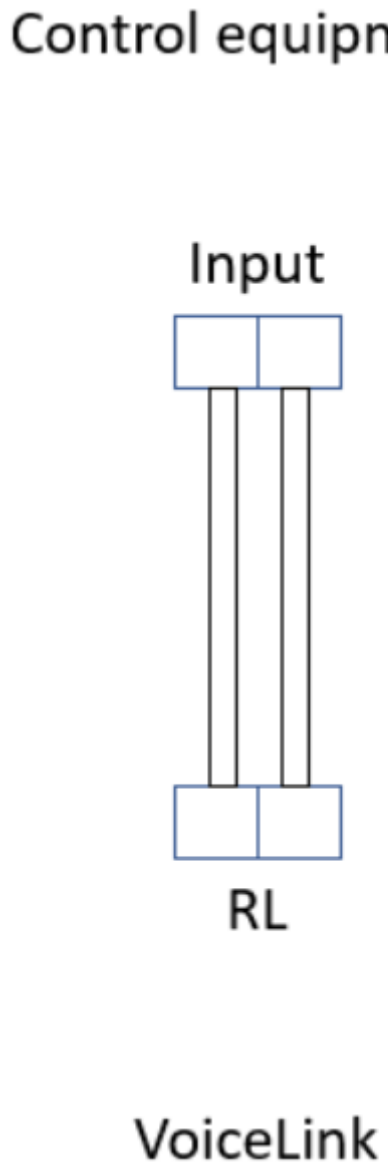


Figure 3. Power wiring

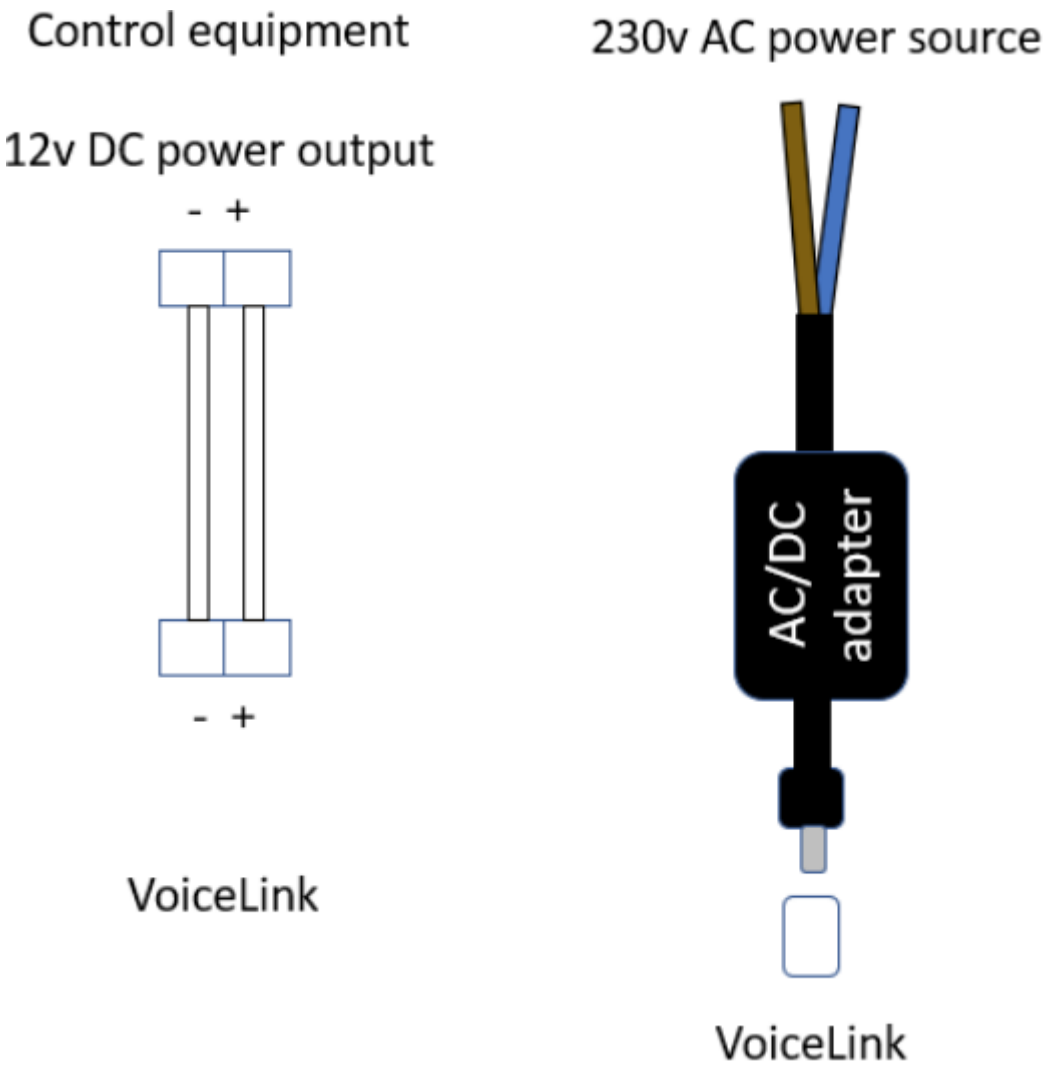
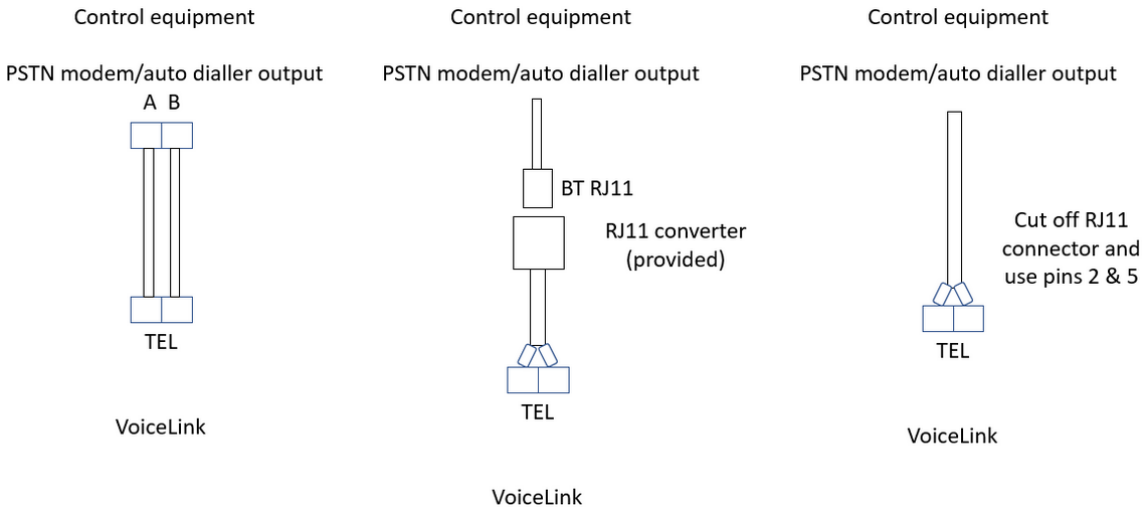


Figure 4. Telephone line input wiring



VoiceLink Quick Guide

Step 4. Testing

Trigger the auto dialler of your control equipment, watch the white LED turn on to show that the line has been picked up and it will dial the number programmed into the control equipment.

Although not normally required, in some cases, you may need to insert the international phone number into your control equipment and remove the first 0 (ie +44 1234 567890, +353 1 234 5678, +31 612 345 678, etc) before voice calls can be sent.

VoiceLink Quick Guide

Step 5. Online configuration (only needed if reconfiguration from default is required)

IMPORTANT – You must register for first time use of the VoiceLink Web Application at least 24 hours before access is granted.

You should not need to programme VoiceLink from the default settings. If you require bespoke settings, you are able to do this via the VoiceLink Web Application (see QR code/URL at start of guide). The VoiceLink Web Application will allow you to view trouble alerts create additional user accounts and check the live device status such as the current battery/mains power state, whether the device is online or the telephone line has been picked up. It will also allow you to customise the device programming with options to override the outgoing telephone number, change the low battery checking alert level and the periodic test frequency.

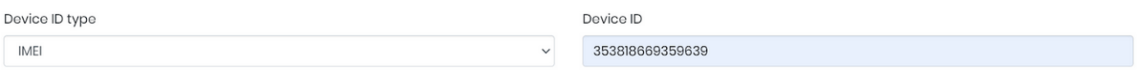
To register VoiceLink to the Web Application follow these steps

1) From the home page, enter the Lift section

2) Select + New Lift from the menu

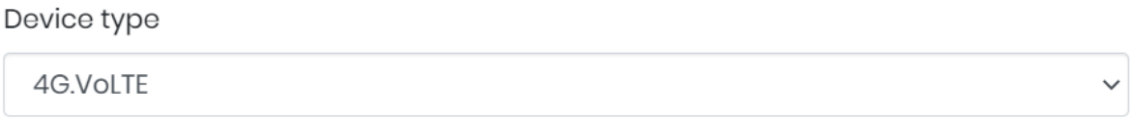
3) Add a name and description of your choosing

4) Change the Device ID Type to IMEI and enter the IMEI number (can be found on a sticker on the side of the device or on the radio module) under Device ID

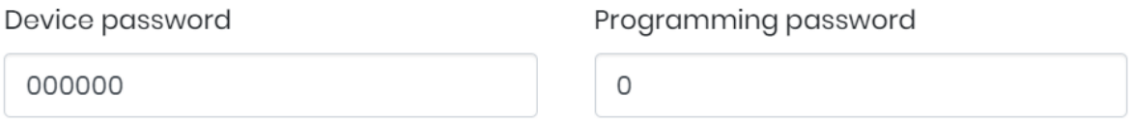


5) Add the site location

6) Change the Device type to 4G.VoLTE



7) Set a device and programming password (default is 000000 and 0)



8) Click on Create

Your device will now appear in the list to which you can connect to using the Remote Configuration button 

VoiceLink Quick Guide

Technical Specifications

Key Features

- Converts PSTN calls from auto-diallers and PABX to 4G VoLTE
- Provided with a CSL roaming SIM with 2G and 3G backup
- Incoming power supply 10-17v DC
- 8hrs standby/2hrs talk time backup battery
- Pre-programmed with CSL's private APN details
- Easy and quick to install

Specifications

Dimensions	140x96x28 mm
Weight	220g
Operating temperature	-10c to + 55c
Humidity	0-90% non-condensing
Warranty	2 years
Antenna	50 ohm (nominal) magnetic base antenna with cable (2m) and SMA connector
Power	Input 230v 50Hz via AC adapter and plug socket. Output 12v DC 500mA OR 10-17v DC via terminal block
Battery	MiMH 800 mAH 7.2v 8hrs standby 1hr talk time
Power consumption (with battery connected)	60mA (standby) 100mA (line picked up) 150mA (voice call in operation)
Relay input	24v 1A
User serviceable parts	There are no serviceable parts with the VoiceLink range
Radio frequencies	4G bands - B1, B3, B7, B8, B20, B28A 3G bands – B1, B3, B8 2G bands – B3, B8 LTE – Cat 1

Applicable conformity	EN 62368-1 ETSI EN 301 489-1 ETSI Draft EN 301 489-52 EN 12015 EN 12016 ETSI EN 301 908-1 ETSI EN 301 908-13