LIGHTCOM

Reliability in Every Call

Petrochemical

Emergency Broadcast Communication

Solution

Reliability in Every Call



One-Stop Industrial Communication Solutions

Complete Public Address & Intercom System Designed for the Petrochemical Industry



Covers daily and emergency communication needs in petrochemical plants



Enhances production efficiency and accelerates emergency response



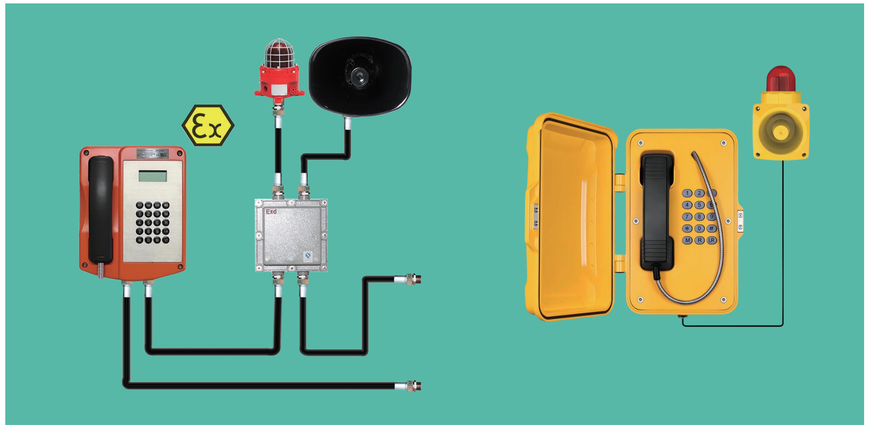
Strengthens safety and supports stable plant operations

Reliability in Every Call

One-Stop Petrochemical Communication Solutions



On-Site Communication & Dispatching Equipment



PA/Intercom & Emergency Broadcasting Terminals

Why Choose LightCom Communication Solutions?

Fast Response
Effective emergency handling



Supports one-touch alarms and emergency calls, instantly transmitting signals to the control room to activate emergency plans and coordinate response to incidents.

Reliable Operation
Built for harsh industrial environments



Explosion-proof, corrosion- and water-resistant, with strong interference immunity, ensuring clear, stable voice in harsh environments.

Full-Area Coverage
Seamless plant-wide communication



Wide-area deployment covering all plant zones, enabling real-time communication with the control center from anywhere.

Simplified Operation
Designed for high-intensity field work



The public-address intercom system features a minimalist interface, allowing workers to make calls and trigger alarms quickly, even with hands occupied or in confined spaces.

System Integration
Easily integrates with existing systems



Integrates with security and production systems for automatic event-linked broadcasts and alarms, boosting management and emergency response efficiency.

System Integrated Communication Architecture

Unified IP network and server platform ensure full device connectivity, stable communication, flexible expansion, and seamless integration with existing IT systems.



Connects intercom terminals, SIP gateways, and phones to enable one-touch hands-free, two-way/group calls, and shout deterrence.

Control & Equipment Room



The dispatch console centralizes network devices for calls, broadcasts, and management, with desktop phones providing high-quality calls and seamless on-site connectivity.

Control / Office Area



Audio-visual alarm phones in critical areas connect directly to the dispatch center for fast reporting and coordinated action.

Indoor and Outdoor Non-Explosion-Proof Areas



Covers hazardous areas such as tank and chemical storage zones, supporting full-area or zoned broadcasting to ensure clear and accurate instruction delivery.

Outdoor Explosion-Proof Area



Designed for high-noise and heavy industrial environments, offering high volume and clarity for one-to-one or one-to-many communication.

Indoor and Outdoor Explosion-Proof Areas



For high-noise areas like pump rooms and compressors, with optional 23–35 dB noise reduction to protect hearing and ensure clear, efficient communication.

Indoor and Outdoor High-Noise Areas

Reliability in Every Call

Safe, Clear, and Efficient Industrial Communication

■ Daily Communication Area

Supports real-time one-to-one and group calls via desktop and explosion-proof phones. Dispatchers can broadcast across the entire area or specific zones, rapidly conveying production and safety information for efficient, seamless communication.

■ Emergency Alarm Points

One-touch alarms instantly connect to the dispatch center, with audio-visual alerts prompting quick response. Integrates with fire and monitoring systems for automatic emergency broadcasts to guide evacuation.

■ Call Recording & Traceability

The system automatically records and centrally stores all calls, supporting fast retrieval by time or number, providing a complete record for incident investigation and performance evaluation.

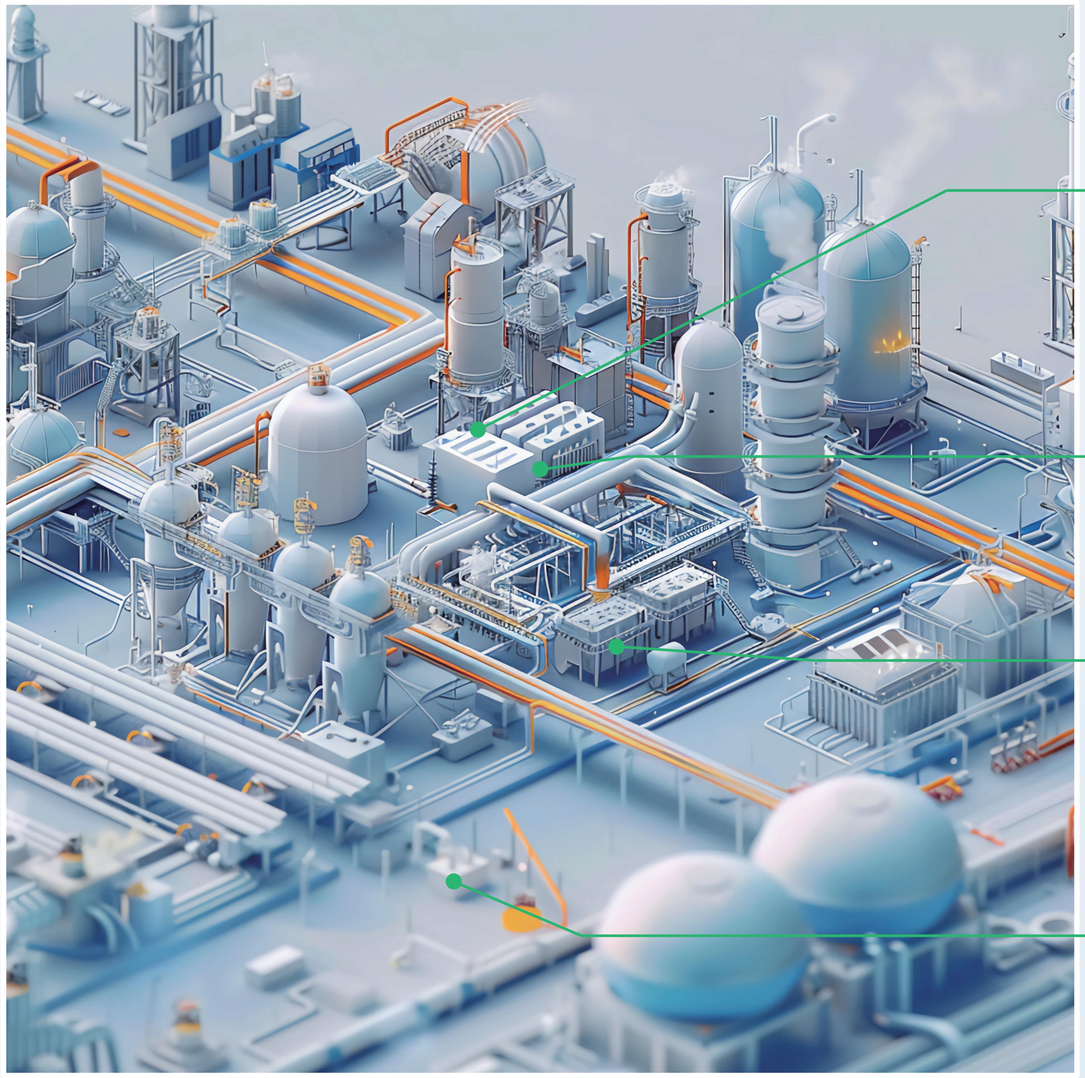
■ Centralized Device Management

Dispatch software monitors all devices in real time for online status and faults, and supports remote parameter configuration such as permission management and volume adjustment, ensuring continuous and stable system operation.



Chemical Plant Communication Topology

SIP Solution + PoE



Control Center

Internet PBX



JRTNS Series Server



Dispatch Console / Desktop Paging Telephone

Indoor Explosion-Proof Zone



Explosion-Proof Boxs



- Acoustic Hoods
- Explosion-Proof Telephones
- Explosion-proof Audible and Visual Alarm

Outdoor Explosion-Proof Zone



- Explosion-Proof Telephones
- With Explosion-proof horn and beacon



Explosion-proof PA Terminal

Non-Explosion-Proof Zone



Waterproof Telephones



- Waterproof Telephones
- With Waterproof Sound and Light Alarm

Our Industrial Communication Solutions Are Thoroughly Verified



01 Chemical Plant in Morocco

Fiberglass soundproof booth with explosion-proof, corrosion and flame-resistant, 25dB noise reduction, ideal for high-noise sites. Includes internal telephone; sturdy for indoor and outdoor use.



02 Saudi Aramco Gas Station

Customized petrochemical intercom system meeting production and emergency communication needs, offering an efficient, reliable, and secure integrated solution.



03 Greece LNG Plant

Telephone with aluminum-alloy, dust and waterproof housing, paired with flame-retardant fiberglass soundproof booth (23dB noise reduction) for clear calls in harsh industrial settings.



04 Xinjiang Chemical Plant, China

(Phases 1–3)

Explosion-proof, waterproof intercom system with one-touch emergency calls and SIP/VoIP networking, ensuring clear, stable communication and faster emergency response across the plant.

Our Industrial Communication Solutions Are Thoroughly Verified

5 Tajikistan Chemical Plant

6 Mitsubishi Chemical Plant, Vietnam

7 Northwest Chemical Plant, Inner Mongolia

8 Bangladesh Gas Processing Plant

9 Refinery, India







10 Refinery, Saudi Arabia

11 Combined-Cycle Power Plant, Malaysia

12 Power Plant, Gibraltar

13 Metallurgical Plant, Turkey & Serbia

14 Offshore Drilling Platform, Brazil

Covering Diverse Scenarios to Support Industrial Upgrades



Chemical



Offshore Drilling Platform / Derrick



Petroleum



Refinery



Energy



Mining



Heavy Industry



Metallurgy

Petrochemical Emergency Broadcast Communication System

Dispatch Management Equipment



Reliability in Every Call

Reliability in Every Call

Fully Control Powerful Dispatching Platform





Dual-Mode Access Operation

Equipped with built-in dispatching software, JRTNS enables flexible deployment: supporting intuitive centralized control through a dispatching console or direct PC installation to reduce equipment costs.

Multifunctional Communication Tools

Supports 2-way calling, group calls, real-time broadcasting, video intercom, conference, map visualization, environment monitoring, and a range of other practical functions.

Powerful Third-party Integrated Solution

SIP-based robust third-party device compatibility eliminates data silos, unifying communication, monitoring and dispatching.

Self-testing Function for Emergencies

Supports self-detection of device operating status to quickly locate problems and ensure continuous and stable dispatch services.

Your One-Stop SIP Dispatching System





Multi-function Integration

Combines voice dispatching, broadcasting, video linkage, alarm and other capabilities to satisfy multi-scenario requirements.

Clear & Flexible Management

Offering a user-friendly, browser-based interface that centralizes control. Accessible via any browser (desktop/laptop) for easily device management and saving equipment costs.

Wide Platform Compatibility

Fully compatible with major communication platforms including LightCom, Asterisk, 3CX, Huawei and ZTE, boasting strong adaptability.

Comprehensive Communication Features

Full call functions, supports 3-way conferences, video calls, forwarding, waiting, auto-answering, anonymous calls for diverse needs.

Petrochemical Emergency Broadcast Communication System

Communication Terminal Devices







Reliability in Every Call

Reliability in Every Call

Your Safety Guardian for Explosive Environments



IP66 IK10



ATEX Audible and Visual Alarm Integration

All-in-one ATEX and IECEx certified solution ensures reliable communication and timely alerts in explosive environments, simplifying deployment and boosting safety.

Redefine Safe Communication in Hazardous Zones

Certified with the **ATEX, IECEx, EAC and INMETRO**, JREX106 series demonstrates compliance with:

Ex eb ib [ib Gb] mb IIC T6/T5 Gb
Ex ib [ib Db] tb IIIC T80℃/T95℃ Db

Strong Anti-Interference

Features a noise-cancelling mic and G.168-compliant echo cancellation, delivering crisp, stable communication in high-interference sites.

Special Application Fields

Their rugged design meets industrial requirements as well as Zone 1, 2, 21, 22 operation in Oil & Gas, petrochemical industry, mining, marine, oil refinery, power plant, onshore/offshore...

More exciting models await your exploration---

Deliver clear and safe alerts in the harshest conditions







Superior Audio Performance

JREX-HSA ensures clear, far-reaching sound for scheduling, communication, and fire broadcasting.

• Sound level: 105~115dB

Globally Certified Explosion-Proof Safety

Complies with **ATEX, IECEx** standards, ideal for flammable and explosive zones.

This mark indicates compliance with the: **II 2GD**
Ex db IIC T6/T5 Gb
Ex tb IIIC T80°C/T95°C Db

IP66 Weatherproof & High Protection

IP66 rated with anti-static ABS housing and stainless steel bracket, offering high mechanical strength and a high explosion-proof safety factor.

Third-Party Device Compatibility

Easily integrates with diverse power amplifiers, audio devices and IP access systems.

Reliability in Every Call

Trusted Weatherproof Telephones for Harsh, Noisy Factory



IP67 IK10 IP66



IP66-67 Water Protection Grade

Die-cast aluminum alloy body with IP66 / IP67 rating, IK10 impact resistance, and corrosion-resistant hardware, endures -40°C~75°C, saltwater, dust, and vandalism.

Easy Web Management

Configurable via browser with adjustable audio settings for remote, hassle-free maintenance.

- Optional programmable speed-dial

Multi-scenario Adaptability

Fulfills indoor & outdoor emergency communication and dispatching requirements across diverse industries.

Broadcast & Alarm Solution Integration

Supports external audible-visual alarm beacon deliver crystal-clear incoming call alerts in noisy indoor/outdoor factory sites.

Customizable & Durable Acoustic Hoods









Superior Noise Reduction

23dB to 35dB noise reduction acoustic hood/booth, molded from glass fiber reinforced plastics (SMC)/ SGCC galvanized steel sheet.

All-Weather Protection

Waterproof & dustproof design resists impact, corrosion, flames, UV rays for long-lasting performance.

Customizable & Versatile

Available optional colors, internal top lights, external speakers, and warning lights, tailoring to diverse industrial needs.

Stable Communication Build

High-strength structure, resists freezing to high heat, ensures reliable stable communication.

Reliability in Every Call

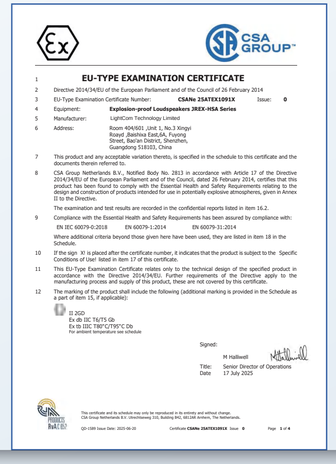
Backed By Certified Quality You Can Trust



1 **EU-TYPE EXAMINATION CERTIFICATE**
2 Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
3 Certificate Number: **CSANe 23ATEX1162X** Issue: **0**
4 Equipment: **Explosion-proof Telephone / JREX106 Series**
5 Applicant: LightCom Technology Limited
6 Address: 6A, Building A1, Xinyi Industrial Park, Fuyong Town, Bao'an District, Shenzhen, Guangdong 518103, China
7 This equipment and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
8 CSA Group Netherlands B.V., notified body number 2813 in accordance with Articles 17 and 21 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
The examination and test results are recorded in the confidential reports listed in Section 14.2.
9 Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the schedule to this certificate, has been assured by compliance with the following documents:
EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-11:2012
EN 60079-18:2015+A1:2017 EN 60079-31:2014
10 If the sign 'X' is placed after the certificate number, it indicates that the equipment is subject to Specific Conditions of Use identified in the schedule to this certificate.
11 This EU-Type Examination Certificate relates only to the design and construction of the specified equipment. If applicable, further requirements of this Directive apply to the manufacture and supply of this equipment.
12 The marking of the equipment shall include the following:
II 2 (2) GD
Ex eb ib [ib Gb] mb IIC T6/T5 Gb
Ex ia [ib Db] ib IIIC T80° /T95° Db
Ambient Temperature:
T6/T80° : -40° to +40°
T5/T95° : -40° to +55°
Signed: Michelle Hallwell
Title: Director of Operations
Product Number 80LS1905
This certificate and its schedules may not be reproduced in its entirety and without change
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR Arnhem, The Netherlands
SQ1 Int 04 Issue Date: 2022-01-19 Page 1 of 4



1 **PRODUCTION/PRODUCT QUALITY ASSURANCE NOTIFICATION**
2 **Equipment and protective systems intended for use in potentially explosive atmospheres Directive 2014/34/EU**
Conformity to Type based on Quality Assurance of the Production Process/Product Quality Assurance
3 Notification No. **CSANe 23 ATEX M029**
4 Equipment, protective system or components as listed:
Explosion-proof Telephones — Flameproof (d)
Explosion-proof Loudspeaker — Intrinsic Safety (i)
Encapsulation (m)
Protection by Enclosure (t)
5 Manufacturer or Authorised Representative: LightCom Technology Limited, Room 404/601 ,Unit 1, No.3 Xingyi Road Baishixia East Fuyong Street Baoan District Shenzhen, China
6 Manufacturing locations: As above
7 CSA Group Netherlands B.V., notified body number 2813 in accordance with Article 17 of the Council Directive 2014/34/EU, notifies that the manufacturer has a quality system which complies with the requirements of Annexes IV & VII of Directive 2014/34/EU.
8 This notification is based upon Report No: 80250413-80250414 issued on 08 May 2025. This notification can be withdrawn if the manufacturer no longer satisfies the requirements of Annexes IV/VII. Results of periodical assessment of the quality system form part of this notification.
9 According to Article 16 (3) of Directive 2014/34/EU the CE marking shall be followed by the identification number 2813 of CSA Group Netherlands B.V., as the Notified Body involved in the production control stage.
Date of Initial Certification: 02 November 2023
Date of Issue: 25 June 2025
Date of Expiry: 02 November 2026
Michelle Hallwell
On behalf of CSA Group Netherlands B.V.
Notification No. **CSANe 23 ATEX M029**
This certificate remains valid subject to the company maintaining its system to the required standards, which will be monitored by CSA. The use of this certificate and any reference to CSA Group Netherlands B.V. is governed by the Terms and Conditions of CSA Group Netherlands BV certificates
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR, Netherlands
DQD507.24 Issue Date: 2022-03-09 Page 1 of 1



1 **EU-TYPE EXAMINATION CERTIFICATE**
2 Directive 2014/34/EU of the European Parliament and of the Council of 26 February 2014
3 EU-Type Examination Certificate Number: **CSANe 25ATEX1091X** Issue: **0**
4 Equipment: **Explosion-proof Loudspeakers JREX-HSA Series**
5 Manufacturer: LightCom Technology Limited
6 Address: Room 404/601 ,Unit 1, No.3 Xingyi Road ,Baishixia East,Zili, Fuyong Street, Bao'an District, Shenzhen, Guangdong 518103, China
7 This product and any acceptable variation thereto, is specified in the schedule to this certificate and the documents therein referred to.
8 CSA Group Netherlands B.V., Notified Body No. 2813 in accordance with Article 17 of the Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
The examination and test results are recorded in the confidential reports listed in Item 16.2.
9 Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-31:2014
Where additional criteria beyond those given here have been used, they are listed in Item 18 in the Schedule.
10 If the sign 'X' is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use' listed in Item 17 of this certificate.
11 This EU-Type Examination Certificate relates only to the technical design of the specified product in accordance with the Directive 2014/34/EU. Further requirements of the Directive apply to the manufacturing process and supply of this product, these are not covered by this certificate.
12 The marking of the product shall include the following (additional marking is provided in the Schedule as a part of item 15, if applicable):
II 2GD
Ex db IIC T4/T5 Gb
Ex tb IIIC T80°C/T95°C Db
For ambient temperature see schedule
Signed:
M Hallwell
Title: Senior Director of Operations
Date 17 July 2025
This certificate and its schedule may only be reproduced in its entirety and without change.
CSA Group Netherlands B.V. Utrechtseweg 310, Building B42, 6812AR Arnhem, The Netherlands.
QD-1389 Issue Date: 2025-06-20 Certificate **CSANe 25ATEX1091X** Issue **0** Page 1 of 4



ЕВРАЗИЙСКИЙ ЭКОНОМИЧЕСКИЙ СОЮЗ
СЕРТИФИКАТ СООТВЕТСТВИЯ
EAC № EAЭС RU C-CN.АЖ58.В.01052/20
Серия RU № 0294530
ОРГАН ПО СЕРТИФИКАЦИИ
ЗАЯВИТЕЛЬ
ИЗГОТОВИТЕЛЬ "J&R Technology Limited"
ПРОДУКЦИЯ
КОД ТН ВЭД ЕАЭС 8517180000
СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ
СЕРТИФИКАТ СООТВЕТСТВИЯ ВЫДАН НА ОСНОВАНИИ
ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ
СРОК ДЕЙСТВИЯ С 18.12.2020 ПО 17.12.2025 ВКЛЮЧИТЕЛЬНО
Руководитель (уполномоченное лицо) органа по сертификации — Руслан Сергей Сергеевич
Эксперт (эксперт-аудитор) — Александра Александровна



CERTIFICATE OF CONFORMITY

Certificate No. : BKC23030601CC

Certificate of Conformity

Applicant : J&R Technology Ltd
6A,Building A1,XingYi Industrial Park,Fuyong Town,Bao'an District,Shenzhen,China
Manufacturer : J&R Technology Ltd
6A,Building A1,XingYi Industrial Park,Fuyong Town,Bao'an District,Shenzhen,China
Product : Industrial Telephone
Trademark : J&R
Model(s) : JR101-FK, JR101-FK-L, JR101-CB, JR101-CB-L, JR101-3B, JR102-SC, JR102-2B, JR103-FK, JR103-CB, JR104-SC, JR104-2B, JR105-FK, JR105-FK-HB, JR101-FK-H, JR103-FK-HB, JR103-FK-H, JR107-FK, JR108-FK, JR506-FK, EP-445IP, EP-445IPH.
Test Standard : IEC 62321-4:2013+A1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1: 2015
IEC 62321-7-2:2017
IEC 62321-8:2017

The product described above has been tested by us and found in compliance with the council RoHS 2.0 Directive 2011/65/EU Annex II (EU) 2015/863 as last amended by Directive (EU) 2017/2102.It is only valid in connection with the test report number: BKC23030601CR.

RoHS

Manager
Mar. 06, 2023

Shenzhen BKC Testing Co., Ltd.
103, 1/F, Huaya Science Park, Longhua Community, Longhua District, Shenzhen, Guangdong, China Tel: 4000-875-382 0755-84829082
E-mail: bkc@bkc-lab.com Certificate Search: http://www.bkc-lab.com



CERTIFICATE OF CONFORMITY

Certificate No. : BKC25093970JC

Supplier's Declaration of Conformity

Applicant : J&R Technology Limited.
Room 404/601, Unit 1, No.3 Xingyi Road, Baishixia East, Fuyong Street, Baoan District, Shenzhen, China
Manufacturer : J&R Technology Limited.
Room 404/601, Unit 1, No.3 Xingyi Road, Baishixia East, Fuyong Street, Baoan District, Shenzhen, China
Trademark : J&R
Product : IPPBX
Model(s) : JRPBX, JRPBX-T20, JRPBX-T50, JRPBX-T100, JRPBX-T200, JRPBX-T500, JRPBX-T1000, JRPBX-T2000, JRPBX-T5000, JRTNS-T60, JRTNS-T120, JRTNS-T240, JRTNS-T500, JRTNS-T1000, JRTNS-T2000, JRTNS-T5000
Test Standard : FCC Part 15 Subpart B
ANSI C63.4:2014

This device complies with part 15 of the FCC Rules. It's confirmed and found to comply with the requirements setup by ANSI C63.4 & FCC part 15 regulation for the evaluation of Electromagnetic Compatibility.

Manager
Sep. 29, 2025

Shenzhen BKC Testing Co., Ltd.
Room103, 1/F, Huaya Building, Huaya Industrial Park, Yousong Community, Longhua Subdistrict, Longhua District, Shenzhen, Guangdong, China
Tel: 4000-875-382 0755-84829082 E-mail: bkc@bkc-lab.com
Certificate Search: http://www.bkc-lab.com



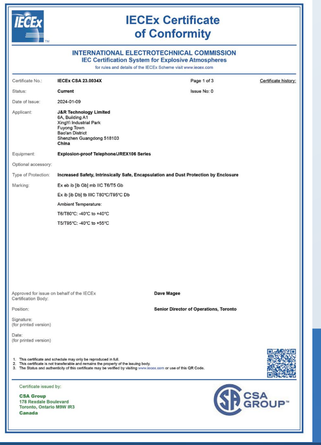
IECEx Quality Assessment Report Summary
INTERNATIONAL ELECTROTECHNICAL COMMISSION
IECEx Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

QAR Ref. No.: **GB/CSAE/QAR23.0016/02** Page 1 of 1
QAR Fixe Ref. No.: **80250413-80250414** Status **Issued**
Details of change: Extension to scope for Flameproof (d) Date of issue **2025-06-25**
Location(s) audited: LightCom Technology Limited, 3 Xingyi Road, Baishixia East, Fuyong Street, Bao'an District, Shenzhen, **China** Valid until **2026-11-02**, Audit date **2025-05-08**
Issuing ExCB: **CSAE - CSA Group Testing UK Ltd**
Manufacturer: LightCom Technology Limited, 3 Xingyi Road, Baishixia East, Fuyong Street, Bao'an District, Shenzhen, **China**
Location of Manufacturer:
Product information: Explosion proof Telephone, Explosion proof Loudspeaker
Type of protection: **Ex d,i,e,m,t,**
Related QARs: GB/CSAE/QAR23.0016/00 GB/CSAE/QAR23.0016/01
Related Certificates (manual insertion):
Related Certificates (automatic linking):
Related Certificates for previous versions:
IECEx CSA 23.0034X issue: 0 IECEx CSA 23.0034X issue: 1
Comments:



IECEx Certificate of Conformity
INTERNATIONAL ELECTROTECHNICAL COMMISSION
IECEx Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSA 25.0050X** Page 1 of 3 Certificate history:
Status: **Current** Issue No: 0
Date of Issue: 2025-07-17
Applicant: LightCom Technology Limited, 3 Xingyi Road, Baishixia East, Fuyong Street, Bao'an District, Shenzhen, **China**
Equipment: **Explosion-proof Loudspeakers JREX-HSA Series**
Optional accessory:
Type of Protection: **Flameproof 'd', Dust Enclosure 't'**
Marking: Ex eb ib [ib Gb] mb IIC T6/T5 Gb
Ex ia [ib Db] ib IIIC T80°C/T95°C Db
Ambient Temperature:
T6/T80°C: -40°C to +40°C
T5/T95°C: -40°C to +55°C
See annexe for ambient temperature
Approved for issue on behalf of the IECEx Certification Body: **Dave Magee**
Position: **Senior Director of Operations**
Signature: (for printed version)
Date: (for printed version)
1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.
Certificate issued by:
CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 0R3
Canada



IECEx Certificate of Conformity
INTERNATIONAL ELECTROTECHNICAL COMMISSION
IECEx Certification System for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

Certificate No.: **IECEx CSA 23.0034X** Page 1 of 3 Certificate history:
Status: **Current** Issue No: 0
Date of Issue: 2024-01-09
Applicant: **J&R Technology Limited**, 6A, Building A1, Xinghi Industrial Park, Fuyong Town, Bao'an District, Shenzhen Guangdong 518103 **China**
Equipment: **Explosion-proof Telephone/JREX106 Series**
Optional accessory:
Type of Protection: **Increased Safety, Intrinsically Safe, Encapsulation and Dust Protection by Enclosure**
Marking: Ex eb ib [ib Gb] mb IIC T6/T5 Gb
Ex ia [ib Db] ib IIIC T80°C/T95°C Db
Ambient Temperature:
T6/T80°C: -40°C to +40°C
T5/T95°C: -40°C to +55°C
Approved for issue on behalf of the IECEx Certification Body: **Dave Magee**
Position: **Senior Director of Operations, Toronto**
Signature: (for printed version)
Date: (for printed version)
1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.
Certificate issued by:
CSA Group
178 Rexdale Boulevard
Toronto, Ontario M9W 0R3
Canada



CERTIFICADO DE CONFORMIDADE Ex
Ex Certificate of Conformity
Modelo 5: Avaliação do Sistema de Gestão da Qualidade do Processo de Produção e Ensaios no Produto
Model 5: Assessment of Quality Management System of Production Process and Test on Product
Certificado Nº: CPEx 23.1300 X Revisão nº: 0
Data de emissão inicial: 19/06/2023 Certificado de Conformidade válido somente acompanhado das páginas de 1 a 5
Data de validade: 19/06/2029
Cliente da certificação: Massomenge Indústria Comércio Tecnologia Iluminação e Serviços Eletromecânicos Ltda.
Produto: Telefone analógico Ex NAC,JREX 106.
Marca Comercial:
Marcação: Ex eb ib mb IIC T6 Gb, Ex e ib IIIC T80°C Db IP66, -20°C ≤ T_{amb} ≤ +40°C
Certificado emitido conforme requisitos da avaliação da conformidade de equipamentos elétricos para atmosferas explosivas, anexo da Portaria INMETRO nº. 115 de 21 de março de 2022.
Certificate issued in according to brazilian requirements attached to Inmetro Ordinance nº. 115 issued on Mar 21st, 2022.
Aprovado para emissão em conformidade com o regulamento e normas aplicáveis Organismo de Certificação:
Approved for issue in conformity with rule and applicable standards Certification body:
Assinado de forma digital por BRUNO:SIMONI ROSA:36748445833
Bruno Simoni Rosa
Signatário Autorizado / *Authorized Signatory*
Diretor Geral / *General Manager*
Certificado emitido por: *Certificate issued by:*
CPEx (Centro de Pesquisa em Atmosferas Explosivas Ltda).
Rua Joaquim Guilherme de Castro, 340, Sala 03 - Pq. Cidade Nova
Hortolândia/SP – Brasil – CEP 13184-075
CNPJ - 35.564.833/0001-36
FORM 3r 1M Página / *page* 1



VERIFICATION
of Conformity

Reference No. : LCS21081301085
Applicant : J&R TECHNOLOGY LIMITED
Address : 6/F,A1,Xingyi industrial city , Baishixia Est., Fuyong, Bao'an, Shenzhen, Guangdong, China
Trademark : J&R
Product : Weatherproof Emergency Telephone
Model(s) : JR101-FK, JREX106
Parameters : N/A

The above products have been tested by the Company in accordance with the standards listed below, and the test results of the products meet the requirements of IP levels listed in the table above:

IEC 60529:1989+A1:1999+A2:2013

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out. This verification applies specifically to the sample investigated in our test reference number only.

Other relevant Directives have to be observed.

IP68

Date of issue: September 06, 2021

Shenzhen Southeast LCS Compliance Testing Laboratory Ltd.
101-201, 1A,3# Building, Kaileqi Industrial Zone, Heshatou Community, Matian Street, Guangming District, Shenzhen, China
Tel: 0755-2987 1535 Fax: 0755-2987 1521
http://www.lcs-cert.com Email: webmaster@lcs-cert.com
1 / 1



VERIFICATION
of Conformity

Reference No. : LCS21225034BS
Applicant : J&R Technology Limited
Address : Unit 1, No.3, Xingyi Road, East Area of Baishixia Community, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China
Trademark : J&R
Product : Industrial Telephone
Model(s) : JR101-FK, JR101-FK-L, JR101-CB, JR102-SC, JR102-2B, JR103-FK, JR103-CB, JR104-SC, JR104-2B, JR101-FK-HB, JR101-3B, JR105-FK
Parameters : N/A

The above products have been tested by the Company in accordance with the standards listed below, and the test results of the products meet the requirements of IK levels listed in the table above:

IEC 62262:2002

The tests were performed in normal operation mode. The test results apply only to the particular sample tested and to the specific tests carried out. This verification applies specifically to the sample investigated in our test reference number only.

Other relevant Directives have to be observed.

IK10

Date of issue: January 08, 2021

Shenzhen Southern LCS Compliance Testing Laboratory Ltd.
101-201, 1A,3# Building, Kaileqi Industrial Zone, Heshatou Community, Matian Street, Guangming District, Shenzhen, China
Tel: 0755-2987 1535 Fax: 0755-2987 1521
http://www.lcs-cert.com Email: webmaster@lcs-cert.com
1 / 1

Thank You

LightCom Inc. | +1 (267) 506-7283 | mike.strashnov@lightcom-telecom.com | www.lightcom-telecom.com



Reliability in Every Call