G Series Control Panels
Quick Guide

www.boschsecurity.com

Security you can trust
# Control Panels

## G Series Control Panels

<table>
<thead>
<tr>
<th>Commercial type number (CTN)</th>
<th>G Series</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>B8512G</td>
</tr>
<tr>
<td></td>
<td><img src="image1.png" alt="Image" /></td>
</tr>
</tbody>
</table>

### Integration
- IP Video, Access Control, Home Automation, Residential & Commercial Fire

### Advanced features
- **Area arming**: Interior + Perimeter
- **Link multiple areas**: Available
- **Area re-arm**: Available
- **Monitor delay**: Available
- **Dual authentication**: Available
- **Early ambush**: Available
- **Two-man rule**: Available

### Communication Options
- **IP, Cellular, PSTN**: Available
- **Contact ID, Modem4**: Available

### Formats
- **Contact ID, Modem4**: Available

### IP On-board Ports
- **IP, USB**: Available

### Connetix
- **Available**

### DNS support
- **Available**

### IPv4/IPv6
- **Available**

### Encryption
- **AES 256-bit**: Available

### AutoIP configuration
- **Available**

### Universal Plug and Play
- **Available**

### Programming methods
- **RPS via IP or USB, Keypad**: Available

### Ease of use
- **Mobile app**: Available

### Bilingual operation (languages)
- **English, French, Spanish, Portuguese, German, Dutch, Chinese, Polish, Italian, Greek, Hungarian, Swedish**: Available

### Custom keypad text
- **Available**

### Situation-sensitive on-screen help
- **Available**

### Simplified menus
- **Available**

* Available — Not available
* Requires version 2 or above firmware

**NOTE:** Availability of features and services may vary by country or region. Not all features are available in all languages.
## Control Panels (continued)

<table>
<thead>
<tr>
<th>Commercial type number (CTN)</th>
<th>B8512G</th>
<th>B9512G</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Notifications</strong></td>
<td>Email, SMS text</td>
<td>Email, SMS text</td>
</tr>
<tr>
<td><strong>Passcode security</strong></td>
<td>Authority levels: 14</td>
<td>Authority levels: 14</td>
</tr>
<tr>
<td><strong>User names</strong></td>
<td>32 characters</td>
<td>32 characters</td>
</tr>
<tr>
<td><strong>Wireless compatibility</strong></td>
<td>RADION, Inovonics</td>
<td>RADION, Inovonics</td>
</tr>
<tr>
<td><strong>Capacity</strong></td>
<td>Areas: 8</td>
<td>Areas: 32</td>
</tr>
<tr>
<td><strong>Custom functions</strong></td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td><strong>Doors</strong></td>
<td>8</td>
<td>32</td>
</tr>
<tr>
<td><strong>IP cameras</strong></td>
<td>8</td>
<td>16</td>
</tr>
<tr>
<td><strong>Log events</strong></td>
<td>2,048</td>
<td>10,192</td>
</tr>
<tr>
<td><strong>Outputs</strong></td>
<td>3 + 96</td>
<td>3 + 596</td>
</tr>
<tr>
<td><strong>Point profiles</strong></td>
<td>31</td>
<td>64</td>
</tr>
<tr>
<td><strong>Points (total/wired/wireless)</strong></td>
<td>99/88/91</td>
<td>599/512/504</td>
</tr>
<tr>
<td><strong>Schedules (SKEDS)</strong></td>
<td>40</td>
<td>80</td>
</tr>
<tr>
<td><strong>Supervised keypads</strong></td>
<td>16</td>
<td>32</td>
</tr>
<tr>
<td><strong>Users</strong></td>
<td>500 + service</td>
<td>2,000 + service</td>
</tr>
</tbody>
</table>

| Certifications               | UL, ULC, CSFM, CE, CCC, FDNY-CoA, FM | UL, ULC, CSFM, CE, CCC, FDNY-CoA, FM |

- Available
- Not available

* Requires version 2 or above firmware

**NOTE:** Availability of features and services may vary by country or region. Not all features are available in all languages.
### Keypads

<table>
<thead>
<tr>
<th>Material description</th>
<th>Intrusion Applications</th>
<th>Fire Applications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Commercial type number (CTN)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>B915/B915i</td>
<td>B920</td>
<td>B921C</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Function keys</th>
<th>Intrusion</th>
<th>Fire</th>
</tr>
</thead>
<tbody>
<tr>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Display Type</th>
<th>2-line, 18 characters</th>
<th>2-line, 32 characters</th>
<th>2-line, 32 characters</th>
<th>5-line, 32 characters</th>
<th>Text + icons</th>
<th>Text + icons</th>
<th>2-line, 32 characters</th>
<th>2-line, 32 characters</th>
</tr>
</thead>
</table>

| Bilingual support | English, French, Spanish, Portuguese, German, Dutch, Chinese, Polish, Italian, Hungarian, Swedish | English, French, Spanish, Portuguese, German, Dutch, Italian, Hungarian, Swedish | English, French, Spanish, Portuguese, German, Dutch, Italian, Hungarian, Swedish | English, French, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish | English, French, German, Dutch, Portuguese, Chinese, Polish, Italian, Hungarian, Swedish | English, French, Spanish, Portuguese, German, Dutch, Italian, Hungarian, Swedish |

| Languages | English, French, Spanish, Portuguese, German, Dutch, Chinese, Polish, Italian, Hungarian, Swedish | English, French, Spanish, Portuguese, German, Dutch, Italian, Hungarian, Swedish | English, French, Spanish, Portuguese, German, Dutch, Italian, Hungarian, Swedish | English, French, Dutch, French, German, Greek, Italian, Hungarian, Polish, Portuguese, Spanish, Swedish |

| On-screen help | – | – | – | – | – | – | – | – |
| Indicators | All on | – | – | – | – | – | – | – |
| Part on | – | – | – | – | – | – | – | – |
| Ready | – | – | – | – | – | – | – | – |
| Trouble | – | – | – | – | – | – | – | – |
| Power | – | – | – | – | – | – | – | – |
| Gas alarm | – | – | – | – | – | – | – | – |
| Fire alarm | – | – | – | – | – | – | – | – |
| Silenced alarm | – | – | – | – | – | – | – | – |
| Supervision error | – | – | – | – | – | – | – | – |
| Features | Audible tones | – | – | – | – | – | – | – |
| Proximity reader | – | – | – | – | – | – | – | – |

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Dimensions</th>
<th>Connection type</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5 x 4.7 x 1 in (139 x 118 x 23 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
<tr>
<td>6.2 x 4.7 x 1 in (150 x 120 x 26 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
<tr>
<td>6.2 x 5.5 x 1 in (150 x 140 x 26 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
<tr>
<td>5.5 in x 3.0 in x 0.40 in (140 x 76 x 10 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
<tr>
<td>6.2 x 4.7 x 0.65 in (150 x 120 x 16.5 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
<tr>
<td>6.2 x 4.7 x 1 in (150 x 120 x 26 mm)</td>
<td>SDI2 bus</td>
<td>SDI2 bus</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Connection type</th>
<th>SDI2 bus</th>
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<th>SDI2 bus</th>
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<th>SDI2 bus</th>
<th>SDI2 bus</th>
</tr>
</thead>
</table>

NOTE: Availability of features and services may vary by country or region. Not all features are available in all languages.
## Communication modules

<table>
<thead>
<tr>
<th>Material description</th>
<th>PSTN (Single phone line)</th>
<th>Two-way cellular*</th>
<th>Two-way cellular*</th>
<th>Remote cellular interface</th>
<th>Ethernet (Two-way IP)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Commercial type number (CTN)</strong></td>
<td>B430</td>
<td>B444-A</td>
<td>B444-V</td>
<td>B450</td>
<td>B426</td>
</tr>
<tr>
<td><strong>IP</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Supported protocols</td>
<td>–</td>
<td>Conettix</td>
<td>Conettix</td>
<td>Conettix</td>
<td>Conettix</td>
</tr>
<tr>
<td>Encryption</td>
<td>–</td>
<td>AES 256-bit</td>
<td>AES 256-bit</td>
<td>AES 256-bit</td>
<td>AES 256-bit</td>
</tr>
<tr>
<td><strong>Cellular Communication</strong></td>
<td>–</td>
<td>4G LTE - Cat 1</td>
<td>4G LTE - Cat 1</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Network</td>
<td>–</td>
<td>AT&amp;T</td>
<td>Verizon</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Connection type</strong></td>
<td>Panel</td>
<td>Plug-in</td>
<td>Plug-in</td>
<td>SDI or SDI2</td>
<td>SDI or SDI2</td>
</tr>
<tr>
<td>Communication path</td>
<td>RJ-45</td>
<td>Two SMA antenna</td>
<td>Two SMA antenna</td>
<td>Via plug-in module</td>
<td>RJ-45 (Cat5 or greater)</td>
</tr>
<tr>
<td><strong>Notifications</strong></td>
<td>Email</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Text message (SMS)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Remote Security Control app</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Programming</strong></td>
<td>Keypad (basic)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Remote via RPS</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Diagnostics</strong></td>
<td>LEDs</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Advanced keypad diagnostics</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Panel compatibility</td>
<td>B Series</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>G Series</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>GV4</td>
<td>–</td>
<td>– (with B450)</td>
<td>– (with B450)</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td><strong>Certifications</strong></td>
<td>Approval (agencies)</td>
<td>UL, ULC, CSFM, FDNY-CoA, ANATEL</td>
<td>UL, ULC, PTCRB, CE, FDNY-CoA, Rogers</td>
<td>FCC, UL, CSFM, FDNY-CoA, Verizon</td>
<td>NIST, FCC, UL, ULC, PTCRB, CE, ANATEL, SIA, CSFM, FDNY-CoA</td>
</tr>
<tr>
<td>Primary/secondary for Commercial Fire</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

Available – Not available

* A valid service contract is required prior to ordering.
** Requires Bosch Cellular Service or other cellular network access.

NOTE: Availability of features and services may vary by country or region. Not all features are available in all languages.
## G Series Control Panels – Intrusion Application

### Enclosures
- **B9512G/B8512G**

### Keypads
- **B942** Touch screen
- **B940W** Slim Touch Keypad
- **B942W** Touch screen

### SDI Keypads
- **D1260-B** ATM Keypad
- **D1255-B** Keypad

### Communicators
- **B444-A** Cellular (AT&T, 4G LTE)
- **B444-V** Cellular (Verizon, 4G LTE)
- **B430** Telephone (PSTN)
- **B450** Remote Cellular Interface
- **B426** Ethernet SDI or SDI2

### Accessories
- **B8103** Large enclosure
- **D8108A** Attack Resistance Enclosure
- **D137** Mounting bracket
- **D138** Mounting bracket
- **ICP-EZTS** Universal tamper
- **B56** Keypad backbox

### I/O Expansion
- **B208** Octo-input Module
- **B308** Octo-output Module

### Relays
- **D130** Aux Relay
- **D133/134** Relay

### Programming
- **D5500CU** RPS
- **D5500CU-LITE** RPS Lite
- **B99** USB Cable

### Point and Output Expansion
- **D8125MUX** Multiplex Interface
- **B600** Retrofit (ZONEX) Module
- **B299** SDI2 Popex Expansion
- **B208** Octo-input Module
- **D8129** Octo-Relay
- **B299** SDI2 Popex Expansion
- **DS7432** Eight-Input
- **DS7465i** Input-Output
- **DS7461i** Single Zone Input
- **DS7457i** Single Zone Mini-Mod

### Power
- **B520** AUX Power supply
- **D1640** Transformer (6.5 VAC 40 VA)
- **D1640-CA** Transformer – Canada (16.5 VAC 40 VA)

*Country specific variants may apply"
## Wired Sensors

### Professional Series
- ISC-PPR1-W16
  - PIR
  - 50 x 70 ft.
- ISC-PPR1-WA16G
  - PIR, w/Anti-Mask
  - 50 x 70 ft.
- ISC-PDL1-W18G
  - TriTech
  - 60 x 80 ft.
- ISC-PDL1-WA18G
  - PIR, w/Anti-Mask
  - 60 x 80 ft.
- ISC-PDL1-WC30G
  - TriTech
  - 100 x 8.5 ft.

### Commercial Series
- ISC-CDL1-W15G
  - PIR
  - 50 x 50 ft.
- ISC-CDL1-WA15G
  - PIR, Pet friendly
  - 50 x 50 ft.

### Blue Line Gen2
- ISC-BPR2-W12
  - PIR
  - 40 x 40 ft.
- ISC-BPR2-WP12
  - PIR, Pet friendly
  - 40 x 40 ft.
- ISC-BPQ2-W12
  - Quad PIR
  - 40 x 40 ft.
- ISC-BDL2-W12G
  - TriTech
  - 40 x 40 ft.
- ISC-BDL2-WP12G
  - TriTech, Pet immune
  - 40 x 40 ft.
- ISC-BDL2-WP6G
  - TriTech, Pet immune
  - 20 x 20 ft.

## Wireless

### RADION
- BB10
  - Wireless Receiver
- RFRP-A
  - Wireless Repeater
- RFBT-A
  - Bill Trap
- RFUN-A
  - Universal Transmitter
- RFSM-A
  - Smoke Detector
- RFPB-FP-A
  - Fixed Position Panic Button
- RFBT-A
  - Panic Buttons
- RFKF-TBS-A
  - Arm/Disarm Keyfobs

### Inovonics
- B920
  - SDIO Interface Module
- EN4200
  - Serial Receiver

### B901
- Access Module

### Ceiling Mount

## Request-to-Exit

- DS160
- DS161

## Glass Break

- DS1101i
- DS1103i
- DS1102i
- DS1108i

## Access Control

### Module

- ARD-SER40-WI
- ARD-SER10-WI
- ARD-SERK40-WI
- ARD-SERK90-WI

### Readers

- Lectus Secure, iCLASS, Wiegand
- EM Mini Mullion RFID

### Credentials

- ACD-IC2K26-50
- ACT-IC2K26-10
- ACA-IC2K26-10
  - iClass Credential
- ACA-ATR13
- ACD-ATR11ISO
- ACD-ATR14CS
  - RFID Credential

### Readers

- D8236-10
  - HID Prox Card
- D8236KF-10
  - HID Prox Token

## Integration

### Automation
- G450
  - Home Control Gateway

### IP Video
- Any Bosch IP Camera

### Public Address
- Bosch PAVIRO
  - Public Address and Voice Evacuation

## Mobile Apps

- Remote Security Control
  - Mobile App
- Remote Security Plus
  - Home Control
  - Mobile App
## G Series Control Panels – Intrusion Application + Commercial Fire UL 864

### B9512G/B8512G

#### Keypads
- SDI2
- SDI
- B925F Intrusion + Fire
- D1255RB Standard Fire
- B926F Standard Fire

#### Enclosures
- D8109L
- D8109

#### Accessories
- BATB-40 Battery Cabinet
- BATB-80 Battery Cabinet
- D56R Conduit Box
- D8004 Transformer Enclosure

#### Expansion + Relays
- D192G Bell Card
- D132A Reversing Relay
- D130 Aux Relay
- D185 Reverse Polarity
- D125B Powered Loop

#### Annunciator
- D1257RB Fire Annunciator
- D1256RB Four-button Annunciator

#### Power
- B520 AUX Power supply
- D126 12V, 7Ah Standby Battery
- D1224 12V, 26-28Ah Battery
- D113 Battery Lead Supervision Module
- D1218 12V, 18Ah Battery
- D1640 Transformer

#### Programming
- D5500CU RPS
- D5500CU-LITE RPS Lite
- B99 USB Cable

#### Point and Output Expansion
- D8125MUX Multiplex Interface
- D812D Octo-Relay
- D8128D Octo-Popit
- D299 SDI2 Popex Expansion

#### Communicators
- B444-A Cellular (AT&T, 4G LTE)
- B444-V Cellular (Verizon, 4G LTE)
- B430 Telephone (PSTN)
- B450 Remote Cellular Interface
- B426 Ethernet SDI or SDI2
- D166/RJ31X Telephone Jack

*Conextix alarm traffic must be sent to a Bosch Communications Receiver/Gateway: D6100i, D6100IPv6, D6600*
### Wheelock
- **W–HNR/W** Horn
- **W–HSRC/WC** Horn Strobe
- **DSM–12/24–R** Dual Synchronization Module
- **ASWP–2475W–FR** Outdoor Horn Strobe
- **W–STW/R** Strobe

### L-Series NEW
- **SS–LF** Low Frequency 520 Hz Indoor Strobes
- **SS–L** Horn Strobes
- **SS–MDL3R** Synchronization Module

### Detectors
- **D7050/TH** Addressable Detector Head
- **D7050–B6** Addressable (MUX) Detector Base
- **F220/PHTH/PTHC** Conventional Detector Head
- **F220–B6x** Conventional Base 12/24 volt
- **F220–135/-135F/-190F** Heat Detector Head
- **F220–B6PS** Addressable (POPIT) Base 12 volt
- **FCC–380** CO Detector

### Integration
- **Automation**
  - **G450** Home Control Gateway
- **IP Video**
  - Any Bosch IP Camera
- **Public Address**
  - Bosch PAVIRO Public Address and Voice Evacuation

### Mobile Apps
- **Remote Security Control** Mobile App
- **Remote Security Plus Home Control** Mobile App
A Tradition of Quality and Innovation

**Bosch Security and Safety Systems**
Protecting lives, buildings and assets is our aim. Our product portfolio includes video security, intrusion detection, fire detection and voice evacuation systems as well as access control and management systems. Professional audio and conference systems for communications of voice, sound and music complete the range.