



BOSCH
Invented for life

G Series Control Panels

Quick Guide

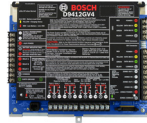
September 2017



Control Panels

GV4

G Series



Commercial Type Number		D7212GV4	D7412GV4	D9412GV4	B8512G	B9512G
Integration		Residential Fire	Access Control, Residential & Commercial Fire	Access Control, Residential & Commercial Fire	IP Video, Access Control, Home Automation, BIS, Residential & Commercial Fire	IP Video, Access Control, Home Automation, BIS, Residential & Commercial Fire
Advanced Features	Area arming	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter	Interior + Perimeter
	Link multiple areas	■	■	■	■	■
	Area re-arm	–	–	–	■	■
	Monitor delay	–	–	–	■	■
	Dual authentication	■	■	■	■	■
	Early ambush	■	■	■	■	■
Communication	Options	IP, Cellular, PSTN*	IP, Cellular, PSTN*	IP, Cellular, PSTN*	IP*, Cellular, PSTN	IP*, Cellular, PSTN
	Formats	Contact ID, Modem IIIa	Contact ID, Modem IIIa	Contact ID, Modem IIIa	Contact ID, Modem4	Contact ID, Modem4
IP	On-board Ports	–	–	–	IP, USB	IP, USB
	Conetix	■	■	■	■	■
	DNS support	■	■	■	■	■
	IPv4/IPv6	■ / –	■ / –	■ / –	■ / ■	■ / ■
	Encryption	–	–	–	AES 256-bit	AES 256-bit
	AutoIP Configuration	■	■	■	■	■
Universal Plug and Play		–	–	–	■	■
Programming Methods		RPS via IP, Keypad	RPS via IP, Keypad	RPS via IP, Keypad	RPS via IP or USB, Keypad	RPS via IP or USB, Keypad
Ease of Use	Mobile app	■	■	■	■	■
	Bilingual operation (languages)	– (English)	– (English)	– (English)	■ (English, French, Spanish, Portuguese)	■ (English, French, Spanish, Portuguese)
	Custom keypad text	■	■	■	■	■
	Situation-sensitive on-screen help	–	–	–	■	■
	Simplified menus	–	–	–	■	■
Notifications		–	–	–	Email, SMS text	Email, SMS text
Passcode Security	Authority levels	14	14	14	14	14
	User names	16 characters	16 characters	16 characters	32 characters	32 characters
Wireless Compatibility		Inovonics	Inovonics	Inovonics	RADION, Inovonics	RADION, Inovonics
Capacity	Areas	4	8	32	8	32
	Custom functions	4	4	16	8	32
	Doors	–	2	8	8	32
	IP Cameras	–	–	–	8	16
	Log events	1,000	1,000	1,000	2,048	10,192
	Outputs	27	67	131	3 + 96	3 + 596
	Point profiles	31	31	31	31	64
	Points (wired / wireless)	40/32	75/67	246/238	99/91	599/504
	Schedules (SKEDS)	40	40	40	40	80
	Supervised keypads	8	16	16	16	32
Users		99 + Service	399 + Service	999 + Service	500 + Service	2000 + Service
Certifications		UL, CSFM, ULC, ANATEL, CE, CCC	UL, CSFM, FDNY-CoA, ULC, ANATEL, CE, CCC	UL, CSFM, FDNY-CoA, ULC, ANATEL, CE, CCC	UL, ULC, CSFM, CE, CCC	UL, ULC, CSFM, CE, CCC

■ Available – Not available * On-board

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

Keypads

Intrusion Applications

Fire Applications



Commercial Type Number		B915	B920	B921C	B930	B942/W	B925F	B926F
Type		Text	Text w/ Function Keys	Capacitive Touch	Text w/ Soft Keys	Touch Screen	Combination Intrusion + Fire	Standard Fire
Function Keys	Intrusion	—	■	■	■	—	■	—
	Fire	—	—	—	—	—	■	■
Display	Type	2-line, 18 characters	2-line, 32 characters	2-line, 32 characters	5-line, 32 characters	Text + Icons	2-line, 32 characters	2-line, 32 characters
	Bilingual support Languages	■	■	■	■	■	■	■
Languages		English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese	English, French, Spanish, Portuguese
On-screen help		—	■	■	■	■	—	—
Indicators	All On	■	■	■	■	■	■	■
	Part On	■	—	—	—	—	—	—
	Ready	■	■	■	■	■	■	■
	Trouble	■	■	■	■	■	■	■
	Power	■	■	■	■	■	■	■
	Gas alarm	—	■	■	■	■	■	■
	Fire alarm	—	—	—	—	—	■	■
	Silenced alarm	—	—	—	—	—	■	■
Supervision error		—	—	—	—	—	■	■
Audible tones		■	■	■	■	■	■	■
Proximity reader		—	—	—	—	■	—	—
Inputs/outputs		— / —	— / —	4 / —	— / —	4 / 1	— / —	— / —
Dimensions		5.5" x 4.7" x 1" (139 x 118 x 23 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 5.5" x 1" (158 x 140 x 26 mm)	6.2" x 4.7" x 0.65" (158 x 120 x 16.5 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)	6.2" x 4.7" x 1" (158 x 120 x 26 mm)
Connection type		SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus	SDI2 bus

■ Available — Not available

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

Communication Modules

PSTN Cellular Ethernet



Commercial Type Number		B430	B440	B441	B442	B443	B450	B426
Type		Single phone line	Two-way cellular*	Two-way cellular*	Two-way cellular*	Two-way cellular*	Remote cellular interface	Two-way IP
IP	Supported protocols	—	Conettix	Conettix	Conettix	Conettix	Conettix	Conettix
	Encryption	—	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit	AES 256-bit
Display	Ethernet protocol	—	—	—	—	—	—	IPv4, IPv6
	Ethernet type	—	—	—	—	—	—	10/100 Base-T
	Network support	—	—	—	—	—	—	DHCP, UPnP, Auto IP, Static IP
	DNS support	—	—	—	—	—	—	■
	Anti-replay/anti-substitution	—	■	■	■	■	■	■
	Resistance to DoS attacks	—	■	■	■	■	■	■
Cellular	Communication	—	3G EVDO rev A, CDMA2000, 1xRTT	CDMA2000, 1xRTT	GPRS	3G/4G GPRS, EDGE, UMTS, HSPA+	—	—
	Network	—	Verizon	Verizon	—	—	—	—
Connection type	Panel	Plug-in	Plug-in	Plug-in	Plug-in	Plug-in	SDI or SDI2	SDI or SDI2
	Communication path	RJ-45	Omni-directional antenna	Omni-directional antenna	Omni-directional antenna	Omni-directional antenna	Via plug-in module	RJ-45 (Cat5 or greater)
Notifications	Email	—	■	■	■	—	■**	—
	Text message (SMS)	—	■	■	■	■	■**	—
	Remote Security Control app	—	■	■	■	■	■**	■
Programming	Keypad (basic)	—	—	—	—	—	—	—
	Remote via browser	—	—	—	—	—	—	■
	Remote via RPS	■	■	■	■	■	■**	■
Diagnostics	LEDs	—	■	■	■	■	■	■
	Advanced keypad diagnostics	—	■	■	■	—	—	—
Panel compatibility	B Series	■	■	■	■	■	■	■
	G Series	■	■	■	■	■	■	■
	GV4	—	■ (with B450)	■ (with B450)	■ (with B450)	■ (with B450)	■	■
Certifications		UL, ULC, CSFM, FDNY-CoA, ANATEL	FCC, UL, CSFM, FDNY-CoA, Verizon	FCC, UL, CSFM, FDNY-CoA, Verizon	FCC, UL, ULC, CE, ANATEL	UL, ULC, PTCRB, CE, FDNY-CoA, Rogers	NIST, FCC, UL, ULC, PTCRB, CE, ANATEL, SIA, CSFM, FDNY CoA	FCC, UL, ULC, CSFM, FDNY-CoA

■ Available — Not available

* B440 and B441 are shipped pre-activated for Bosch Cellular service on the Verizon cellular network. A valid service contract is required prior to ordering.

B442 requires active cellular service on a GSM supported network.

B443 requires an appropriate SIM card and data plan for cellular operation.

** 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.

Accessories

CTN	Description	Compatibility	
		GV4	G Series
SDI Bus Keypads			
D1255 Series	Vacuum Fluorescent Display (VFD) Keypads	■	■
D1256RB	Fire Keypad	■	■
D1257RB	Remote Fire Alarm Annunciator	■	■
D1260 Series	LCD Keypads	■	■
Conettix Receivers			
D6100i	Communications Receiver/Gateway, CPU v.61.10.00	■	■
D6100IPv6	Communications Receiver/Gateway, CPU v.61.10.00	■	■
D6600	Communications Receiver/Gateway, CPU v.01.10.00	■	■
Wireless Receivers			
B810	B810 wireless receiver (RADION)	■*	■
B820	B820 SDI2 Inovonics Interface Module	■*	■
Accessories			
B501-10	SDI2 Interconnect Wiring Cables (pack of 10)	—	■
B56	Keypad Surface Mount Box	—	■
B96	Keypad Trim Bezel	—	■
B99	USB Direct Connect Cable	—	■
D122	Dual Battery Harness	■	■
D122L	Dual Battery Harness with Long Leads	—	■
Enclosures			
B8103	Universal Enclosure (white)	■	■
D8103	Universal Enclosure	■	■
D8108A	Attack Resistant Enclosure	■	■
D8109	Fire Enclosure	■	■
Transformers			
D1640	Transformer (6.5 VAC 40 VA)	■	■
D1640-CA	Transformer for Canada (16.5 VAC 40 VA)	■	■

■ Available — Not available

*Requires Firmware 2.0x

CTN	Description	Compatibility	
		GV4	G Series
Modules			
B208	Octo-input Module	■	■
B299	POPEX Module	—	■
B308	Octo-output Module	■	■
B520	Auxiliary Power Supply Module	■	■
B600	Retrofit (ZONEX) Module	—	■
B901	Access Control Module	■	■
D113	Battery Lead Supervision Module	■	■
D125B	Dual Class B Initiating Module	■	■
D127	Reversing Relay Module	■	■
D129	Class A Initiating Module	■	■
D130	Auxiliary Relay Module	■	■
D132A	Smoke Detector Reversing Relay Module	■	■
D133	Single Relay Module	■	■
D134	Dual Relay Module	■	■
D185	Reverse Polarity Signaling Module	■	■
D192G	Class B, Style Y Bell Circuit Supervision	■	■
D8125	Addressable Expansion Module	■	■
D8125MUX	Multiplex Bus Interface	■	■
D8128D	OctoPOPIT Eight-point Expander	■	■
D8129	Octo-relay Module	■	■
D8130	Door Release Module	■	■
D9127U/T	POPIT Module	■	■
D9210C	Access Control Interface Module	■	■
DS7432	Eight-input Remote Module	■	■
DS7457i	Single-zone Multiplex Input Modules	■	■
DS7460i	Two-input Module	■	■
DS7461i	Single-zone Input Module	■	■
DS7465i	Input-output Module	■	■
ICP-EZTS	Cover and Wall Tamper Switch	—	■
ICP-SDI-9114	SDI Splitter	■	■

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

G Series Intrusion Application

B9512G/B8512G



Enclosures

- B8103**
Large Enclosure
- B8108A**
Attack Resistance Enclosure

Accessories

- D137**
Mounting Bracket
- D138**
Mounting Bracket
- B56**
Keypad Backbox
- ICP-EZTS**
Universal Tamper

Programming

- D5500CU**
RPS Upgrade
- D5500CU-LITE**
RPS Lite
- B99**
USB Cable

SDI Keypads

- D1260-B**
ATM Keypad
- D1255-B**
Keypad

Keypads

- B942**
Touch Screen
- B942W**
Touch Screen
- B921C**
Capacitive Touch
- B920**
Text w/ Function Keys
- B915**
Text
- B930**
Text w/ Soft Keys

Power (country specific variants may apply)

- B520**
AUX Power Supply
- D1218**
18Ah Battery
- D1640**
Transformer
- D113**
Battery Supervision Module
- D122/D122L**
Battery harness

*country specific variants may apply

Communicators

- B440-C**
Cellular (Verizon 3G CDMA)
- B430**
Telephone (PSTN)
- B441-C**
Cellular (Verizon CDMA)
- B450**
Remote Cellular Interface
- B443**
Cellular (HSPA+ SIM Required)
- B426**
Ethernet SDI or SDI2

I/O Expansion

- B208**
Octo-input Module
- B308**
Octo-Output Module

Relays

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

Point Expansion

- D8125MUX**
Multiplex Interface
- B299**
SDI2 Popex Expansion
- D8129**
Octo-Relay
- DS7465i**
Input-Output
- D9127U/T**
Popit Module
- B600**
Retrofit (ZONEX) Module
- DS7432**
Eight-Input
- D8128D**
Octo-Popit
- DS7461i**
Single Zone Input
- DS7461i**
Single Zone Input
- DS7457i**
Single Zone Mini-Mod

Wired Sensors

Professional Series



ISC-PPR1-W16
PIR
60 x 60 ft.



ISC-PPR1-WA16G
PIR, w/Anti-Mask
60 x 60 ft.



ISC-PDL1-W18G
TriTech
60 x 60 ft.



ISC-PDL1-W18G
PIR, w/Anti-Mask
60 x 60 ft.



ISC-PDL1-WC30G
TriTech
100 x 100 ft.

Commercial Series



ISC-CDL1-W15x
TriTech
50 ft.



ISC-CDL1-WA15x
TriTech+
w/Anti-Mask
50 ft.

Classic Series



**DS938Z/
DS9360**
PIR
360° x 50 ft.



DS936
PIR
360° x 24 ft.



**DS9370/
DS9371**
TriTech
360° x 70 ft.

Blue Line Gen 2



ISC-BPR2-W12
PIR
40 x 40 ft.



ISC-BPR2-W12
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 friendly
40 x 40 ft.



ISC-BDL2-WP6G
TriTech, Pet friendly
20 x 20 ft.

Request-to-exit



DS150i



DS151i



DS150i



DS151i

Glass Break



DS1101i



DS1102i



DS1103i



DS1108i

Wireless

RADION wireless



B810
Wireless
Receiver



RFRP-A
Wireless
Repeater



RFGB-A
Glass
Break
Detector



RFDW-SM-A
Surface
Contact



RFDW-RM-A
Recessed
Contact



RFUN-A
Universal
Transmitter



RFSM-A
Smoke
Detector



**RFPB-SB-A
RFPB-TB-A**
Button Panic
Devices

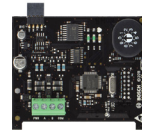


RFBT-A
Billtrap
Transmitter



**RFKF-TBS-A
RFKF-FBS-A**
Button
Keyfobs

Innovonics Wireless



B820
Wireless
Interface



EN4200
Serial
Receiver

See www.boschsecurity.us for a complete product list.

Access Control (B6512 only)

Module



B901
Access
Module

Credentials



**ACD-IC2K26-50
ACT-IC2K26-10
ACA-IC2K26-10**
iClass Credential



**ACA-ATR13
ACD-ATR11ISO
ACD-ATR14CS**
RFID Credential
(for Readers and
B942 Keypad)



D8236-10
HID Prox
Credential



D8236KF-10
HID Prox
Credential

Readers



**ARD-FP BEPIC-OC
ARD-FP EPHP-OC**
Biometric



**D8223
D8224
D8225**
HID Prox



**ARD-SER40-WI
ARD-SER10-WI**
LECTUS Secure
(iClass SE)



ARD-AYH12
EM Prox Wall
Mount **RFID**



ARD-AYJ12
EM Prox
Mullion **RFID**



ARD-AYQ12
EM Prox Vandal
Resistant **RFID**



ARD-AYK12
EM Prox Mini
Mullion **RFID**



D8229
PIN

Integration

Automation



G450
Home Control
Gateway

IP Video



**Any Bosch
IP camera**

Public Address



Bosch PAVRIO
Public Address
and Voice
Evacuation

Mobile Apps



**Remote Security
Control**
Mobile App



Remote Security Plus
Mobile App

G Series

Intrusion + Commercial Fire UL 864

B9512G/B8512G



Programming



D5500CU
RPS Upgrade



D5500CU-LITE
RPS Lite



B99
USB Cable

Enclosures



D8109L



D8109

Accessories



BATB-40
BATB-80
Battery Cabinet



FMM-462
Addressable Pull



D56R
Conduit Box



D8004
Transformer Enclosure

Keypads

SDI2



B925F
Intrusion + Fire



B926F
StandardFire

SDI



D1255RB
Standard Fire

Annunciators



D1257RB
Fire Annunciator



D1256RB
Four-button Annunciator



ICP-SDI-9114
Splitter

Power (country specific variants may apply)



B520
AUX Power Supply



D126
12V Standby Battery



D113
Battery Supervision Module



D1640
Transformer



D1224
12V Battery



D1218
12V Battery



D122/D122L
Battery harness

Communicators



B440-C
Cellular (Verizon 3G CDMA)



B430
Telephone (PSTN)



D166/RJ31X
Primary/Secondary



B441-C
Cellular (Verizon CDMA)



B450
Remote Cellular Interface



B443
Cellular (HSPA+ SIM Required)



B426
Ethernet SDI or SDI2

Keypads



D192G
Bell Card



D132A
Reversing Relay



FPP-RNAC-8A-4C
4-Outputs (24 VDC Only)



D129
Dual Class A



D130
Aux Relay



D185
Reverse Polarity



D125B
Powered Loop



D8130
Releasing Module

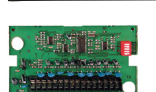
Keypads



D8125MUX
Multiplex Interface



B600
Retrofit (ZONEX) Module



D57432
Eight-Input



B299
SDI2 Popex Expansion



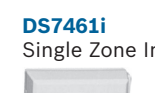
D8128D
Octo-Popit



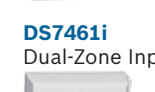
D8129
Octo-Relay



D57465i
Input-Output



D57461i
Single Zone Input



D57461i
Dual-Zone Input



D9127U/T
Popit Module



DS7457i/IF
Single Zone Mini-Mod



Gentex

GEH12WR/W
Horn



AVSM-R/W
Synchronization
Module



**GEC3-12WR/
GES3-12WR**
Horn Strobe



Wheelock

W-HNR/W
Horn



DSM-12/24-R
Dual
Synchronization
Module



W-STW/R
Strobe



W-HSRC/WC
Horn Strobe



ASWP-2475W-FR
Outdoor Horn Strobe



System Sensor

SS-P Two-wire
Speaker Strobes



SS-SRK Two-wire
Outdoor Strobe



SS-S Two-Wire
Indoor Strobes



SS-P2RK Two-wire
Outdoor Horn Strobe



Detectors

D7050/TH
Addressble
Detector Head



FCC-38
CO Detector



D278S
Addressable Base
12 volt



F220P/PTH/PTHC
Conventional
Detector Head



D7050-B6
Two-wire
Detector Base



D603/604/605
Heat Detector
Head



F220-B6x
Addressable Base
12/24 volt



Integration

Automation



G450
Home Control
Gateway

IP Video



**Any Bosch
IP camera**

Public Address



Bosch PAVRIO
Public Address
and Voice
Evacuation

Mobile Apps



**Remote Security
Control**
Mobile App



**Remote
Security Plus**
Mobile App

Notes

Notes

A Tradition of Quality and Innovation

For over 125 years, the Bosch name stands for quality and reliability. Bosch is the global supplier of choice for innovative technology, backed by the highest standards for service and support.



Bosch Security Systems proudly offers a wide range of security, safety, communications and sound solutions that are relied upon every day in applications around the world, from government facilities and public venues to businesses, schools and homes.

Bosch Security Systems, Inc.

130 Perinton Parkway
Fairport, NY 14450 USA
Phone: 800.289.0096
Fax: 585.223.9180
For more information please visit
www.boschsecurity.us

© Bosch Security Systems, Inc.
2017 Modifications reserved
BINQG_B-Series_v20170203