

Gigaset A(S)690 IP

Key benefits

- Expandable phone system with multiline functionality for up to 6 handsets
- For up to 6 SIP accounts and 1 fixed-network connection
- Up to 3 calls in parallel (1 fixed-line call + 2 internet calls)
- Assign SIP accounts individually to handsets (send & receive direction specifically)
- Easy configuration of internet telephony (VoIP) by wizard
- Exceptional sound quality HDSP™³⁾ with G.722 codec
- Large 2" black/white display with white illumination
- AS690 inverted display with very good contrast
- Phonebook for up to 150 names and numbers
- Long talk time/standby time up to 12/180 hours

** provider-independent



A690 HX
with silver foil

AS690 HX
glossy

IP- and fixed network telephony

- Multiline for up to:
 - 6 handsets
 - 6 SIP numbers (also of different providers)
 - 1 fixed network connection (analogue)
- Individual line allocation according to handset (for incoming and outgoing calls)
- Easy installation and provider registration via SIP provider selection list (no PC required)
- Prepared for auto-provisioning¹⁾
- Expanded settings via web configuration
- Firmware update directly via handset (no PC required)
- Operation on routers with automatic allocation of the IP address (DHCP)
- Quality of Service¹⁾: ToS, Diffserv, DSCP
- Supported VoIP comfort functions¹⁾: conference, hold / call waiting, call forwarding
- Automatic emergency operation via fixed network in case of faulty VoIP connection
- Compatible to different Gigaset Apps
- Worldwide free calls between A(S)690 IP and Gigaset GO -phones via Gigaset.net¹⁾



ECO DECT

- Automatic reduction of the transmitting power depending on the distance between the handset and the base station
- Radiation-free in standby mode, even if several handsets are used, as long as all registered handsets support ECO DECT

Interface: a/b (analogue) + IP/Ethernet (IEEE 802.3) for Gigaset cloud / internet access
Implementation: PSTN/PBX
Standards: DECT, GAP, HSP, SMS via fixed line or IP (RTP)¹⁾, SIP, RTP, STUN, POP3/POP3S
System: Cordless telephone (IP and fixed line) for up to 6 handsets
Configuration: FXS, LAN (RJ45)

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Audio Quality

- HDSP™³⁾ with G.722 codec for exceptional sound
- Adjustable volume (5 levels) with two sound profiles of handset sound
- Handsfree (best quality) speaking activated by illuminated Send/ handsfree-key and with adjustable volume (5 levels)
- Ringer melody output via handsfree speaker
- Ringer melodies with adjustable volume settings (5 levels) and on/off function (HS via long press * key)
- 25 selectable ringtones for the HS for ext. calls, VIP calls, int. calls and alarm clock
- Advisory tone (for key confirmation, low battery and out of range warning)
- Ringer melodies selectable for landline-, internet telephony (for each phone number)

Convenience - phoning essentials

Range

- Indoor range: up to 50 meters
- Outdoor range: up to 300 meters

Operation time

- Talk time: Up to 12 hours
- Standby time: Up to 180 hours

Address Book and dialling functions

- Address book for up to 150 contacts (names and numbers)
 - name
 - 1 telephone number
 - VIP melody
 - programmable speed dial keys
- Big dial font for improved readability
- vCard transfer between different handsets and between handset and mobile phone via ContactsPush App
- Dial preparation (input of the number before the actual dialling procedure) with correction option
- Redialling of the 10 last different numbers, start via send button Automatic redial
- User-programmable speed-dial shortcuts using keys 2-9
- Dialling: DTMF, Pulse, Flash (programmable)
- Operation with R-key (Flash time programmable)
- Support of local area codes
- Automatic dialling of local area codes
- Name indication for:
incoming calls, outgoing calls, missed calls list, redial list
- Dialling plan: up to 30 dialling rules (call number, beginning of Call number, IP line or PSTN, number blocking)
Assignment as VIP with ringtone

Receiving calls

- Caller indication displayed via CLIP and CNIP¹⁾
- Display, send key and Spot LED lighted
- Selectable ringer melodies
 - 20 selectable ringtones (mobile part)
 - 5 volume levels / OFF
- Individual ringer melody for internal, external calls, VIP calls and alarm clock (external (each line), VIP calls (each number))
- Anonymous Call Silencing

- Every contact that is marked as VIP has a corresponding melody.
- No disturbance because of selectable automatic Day / Night switch of ringer volume of handset
- Time controlled protection against unwanted calls. Phone will continue to ring for assigned VIP contacts (optional without VIP calls)

Missed Calls

- Display and illuminated message key signalling missed calls
- Comfortable access to missed calls list by dedicated, illuminated MWI-key
- 3 separate call lists (outgoing / accepted / missed) with 25 entries saving calls with caller indication (CLIP / CNIP base station required) and time¹⁾
- Enable or disable the flashing MWI LED in the message key on your handsets for the following message types: missed calls, missed alarms, SMS, Email, Network mailboxes
- Direct dialling out of the missed calls list

General additional features

- Plug & Play (unpack, connect the phone and conduct a call)
- High quality, ergonomic keypad (metal dome technology)
- Alarm clock (Mon. – Fri. /daily) with
 - selectable ringer melody
 - snooze function
 - clock synchronization using CLIP information (country specific feature)¹⁾
- Baby phone/room monitoring: internal call or to an external number (incl. option of two way talk)
- Charger is wall mountable
- Base unit wall mountable
- Direct call functionality
- Date and time functions are protected against power failure
- Comfortable integration with PBX via support of special PBX features
- Clock synchronization using CLIP information¹⁾
- Support of Net provider features via menu¹⁾
- Name of handset can be changed

Display and menu features

Display

- Illuminated graphical black/white display, 2" height: ~ 34mm, width: ~ 37mm (96 x 64 pixel AA=31mm*34mm VA=33mm*36mm)
AA== active area VA== visible area
- Display illumination: white (AS690 inverted display with very good contrast, white letter)

Standby

- Display of date and time (default setting)
- Selectable and settable by user:
 - Idle mode or Screensaver

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- Digital clock with date and info ticker as screensaver
- Screensaver: digital clock;

In idle

- Display of date and time
- Display of state of battery life and signal strength / ECO mode
- Soft keys for quick selection of functions
- Display of
 - Number of new calls

While conducting a call

- Display of call duration in talk mode

Menu (handset)

- Convenient menu for easy use in up to 21 languages (variable according to geographical region)
- Simple operation via icons and text based menu and soft keys
- Intuitive, modern user interface/menu for easy operating in several languages (variable according to geographical region)
- Simple operation via text based sub-menus and soft keys

Keypad features

- Ergonomic keypad in high quality material (metal dome)
- Precise keypad with large keys
- Amber illuminated including navigation area
- 12 numeric keys
 - Keypad protection on/off via # key (long press in idle state)
 - Ringer tones on/off via * key (long press)
 - Flash function (R) via 0 key (long press)
 - Pause function (P) via # key (long press)
- 2 soft keys (individual programmable right Soft key for quick selection of functions)
- 4 way Navi key (context sensitive)
 - Menu navigation
 - Mute (in talk mode) on right side of 4 way navigation
 - Menu (in idle mode) on right side of 4 way navigation
 - INT on left side of 4 way navigation key
 - Phone book at the bottom
 - Speaker level setting at the up
- Illuminated Send/hands free key (green LED)
- Illuminated End key (red LED)
- Illuminated message key (red LED)

Messaging functions (SMS)¹⁾

- Sending/receiving of SMS with up to 612 characters¹⁾
- Storage of 30 SMS with 90 digits
- Copy of phone numbers from SMS to directory
- Send and receive SMS messages via fixed line or IP (RTP)¹⁾
- Easy SMS setup including registration
- Comfortable access to SMS-Services (info-channels)¹⁾
- Sending SMS to email address¹⁾

Email¹⁾

- New Emails are indicated by illuminated MWI-key
- Read Emails on handset (up to 560 characters)
- Delete Emails via handset
- Support of POP3/POP3S Email accounts.

Features with more than one handset

- Free internal calls between handsets
- 2 internet and 1 fixed-line call in parallel (VoIP and PSTN) and additionally 1 internal call or AM access simultaneously
- Internet or fixed-line 3-party conference (1 external / 2 internal participant)
- Phonebook transfer between handsets and between handset and PC
- Ringing of handsets for internal calls can be selected:
 - all or only one selected handset
- Internal transfer of external calls to another handset with prior consultation call
- Collective ringing on incoming external calls

Gigaset Cloud Service

Smartphone / Tablet Applications

- Gigaset Help App - quick access to Gigaset user manuals
- Gigaset ContactsPush - transfer of Smartphone directory to registered mobile parts

Online directories¹⁾

- Online directory search.
- Reverse search (number -> contact).
- Reverse lookup online (display of caller id from online directory)
Link to user defined online directory

Enhanced IP -telephony

- Embedded SIP VoIP with codecs: G.711, G.722, G.726, G.729AB²⁾
- Gigaset.net: free of charge calls between Gigaset VoIP phones. Nickname search in Gigaset.net community.
- Possible to activate Auto-fall back to PSTN, if the phone cannot establish a VoIP connection
- VoIP supplementary services¹⁾ (device controlled): conference, hold/toggle, call forwarding
- Call transfer via R key via 0 key (long press)

Setup and provisioning

- Quick start setup software
- Easy configuration via web server or from handset
- Administrator friendly configuration via config file
- Plug and Play Auto-provisioning for retail variant via:
 - MAC address
 - Auto-configuration code

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- Plug and Play Auto-provisioning for operator/customer variant via:
 - MAC address
 - TR069, TR104, TR106, TR111 / part 1
- Dimensions H x W x D / weight (incl. batteries)
Handset: 155 mm x 49 mm x 28 mm / 119 g

System and software

- Firmware update directly from handset, without file handling
- Firmware downgrade to factory delivery status / last version
- Firmware update of A(S)690 HX
- Increased virus protection thanks to protected operating system
- Clock synchronization using NTP (Network Time Protocol) server

Accessories (not included in delivery)

For A(S)690 IP

- Expandable for up to 6 handsets
- Gigaset handsets: C430HX, C530HX, C570HX, CL660HX, Essential CL390 HX, E630HX, S850HX, SL450HX
- Gigaset Repeater HX

Technical data

Interface (base station):

- 1 PSTN; a/b (analogue)
- 1 LAN; IP/Ethernet (IEEE 802.3) for IP-based telephony up to 6 telephone numbers and 2 parallel calls

Handset

- Standby time: up to 180 hours
- Talk time: up to 12 hours
- Battery: 2 x AAA (NiMH), 400mAh
- Charging time: 4,5h in charger
- Indoor range: up to 50 meters
- Outdoor range: up to 300 meters
- Display dimensions: Hight: ~ 34mm, Width: ~37mm

Base station

- Power-saving 230V switch-mode power supply
- Wall mountable
- Paging key on front of base station
- Connection for up to 6 handsets
- Weight: approx. 120g
- Dimensions: 132 x 105 x 46 mm (W x D x H)

External charger

- Wall mountable
- Dimensions H x W x D / 36 g (without PSU)
- Charger: 38 mm x 70 mm x 77 mm / 36 g
- Weight: 162 g (incl. power supply unit)

A(S)690 IP delivery unit contents

- 1x handset (A(S)690HX), battery cover
- 1x handset charger (incl. power supply unit)
- 2 AAA batteries (NiMH), 400 mAh
- 1x base station
- 1x telephone cord
- 1x ethernet cable
- 1x power supply unit
- 1x quick start leaflet (variant specific)

Colour

- Black, white, bicolour (only AS690 handset)
- Black (base station)

- 1) Dependent on country / network/ operator
- 2) Codec dynamically activated when the used network requests it
- 3) VoIP calls when using G.722 codec
- 4) Germany only

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