

# A Boost to Your Business Communications

Aastra 600c/d DECT Phones



**A/STRA**

## Your very own personal communication assistant

Communications and mobility are essential to our modern professional lives. With the Aastra 600c/d series of mobile DECT phones, versatile communications and efficient cooperation have now become child's play. Wherever you are – at the office, on the production floor, in a warehouse or at your home office – the 600c/d family of handsets are your reliable communication assistants. With their clever functions, intuitive operation and tried-and-tested ergonomics, they are ideal companions in every situation of your professional life.

*The excellent sound quality makes stress-free and relaxed working possible, particularly in hands-free mode.*

### Your very own personal communication assistant

A good assistant is someone who adapts to your individual requirements and your habits. The Aastra 600c/d series of handsets not only looks good, the modern design conceals a multitude of possibilities for adapting the phone to your individual usage and communication needs. Many of its keys are user-configurable, making important functions available at a single keystroke.

*Five different application profiles allow the phones to be adapted to any given work situation, e. g. using headset or conference mode.*

With more than 44 polyphonic and 29 non-polyphonic ring and alarm tones, allowing you to identify your mobile assistant instantly and by its ringtone. Different ring tones and melodies are assigned to individual callers, enabling you to know who is trying to reach you\*. Aastra 600c/d also adapt their appearance to your personal preferences and habits, with fully customisable menus, fonts, display contrast and brightness.

*Direct access of up to 200 phone book-contacts, each with 7 entries (business/private/mobile number, fax number, e-mail address, speed-dial number and ring-tone allocation)\*.*

\*This function depends on the DECT system and the PBX used.



### DECT

Aastra has been a leading manufacturer and developer of DECT systems for many years. Gathering its wealth of experience into the development of its new 600c/d family. With the DECT (Digital Enhanced Cordless Telecommunications) technology, these handsets offer a secure and reliable connection to the base station – no matter how dense the volume of traffic may be in a confined area. DECT connections are broadband-based, providing a considerably improved quality of speech compared with GSM mobiles. The installation of area-wide, multi-cellular radio networks

means you can be reached anywhere on the company premises. DECT also offers maximum security: every time a call is set up, the handset has to log in to the base station which is password protected. Another asset is the DECT technology itself. DECT operates in a dedicated frequency band, which means it is shielded from interference from other radio networks. The phones can therefore be used in situations where the use of GSM phones is not recommended due to the interference potential of the radio waves, i.e. in hospitals or doctor's surgeries



## Your all-round package

### Administration made easy

By definition, the function and firmware updates keep the phones up-to-date. With the 600c/d family, tasks are made easier with updates possible for administrators via the radio network\*. All the devices are provided centrally with the same software, i.e. they do not have to be collected individually for updating. Again security and reliability are top of the agenda: updates are only installed once they are fully downloaded. Malfunctions due to incomplete updates are now a thing of the past.



Astra 622d



### Mobile High End DECT phones for high-performance communication networks

- ✧ The ambient noise filter can automatically adjust the ring tone and talk volume to the background noise in any given situation and filters out any distracting ambient noise. Ensuring optimum communication conditions at all times, especially in loud environments.
- ✧ User-friendly, wireless function and firmware updates via the cellular network (download over air)\*.
- ✧ Important events – reminders, incoming call signals, warning of exceeding the system range or indication of battery charge status are all indicated by a 3-colour LED on the handset.
- ✧ The intelligent battery management guarantees an overview of the battery capacity at all times, even in cases where an empty battery has been replaced with one that is supposedly fully charged.

### Security and reliability

With their ingenious surface design the dialling keys are easy to locate at all times, even in conditions of poor visibility. The phones are equipped with a noise filter, dynamic ring tone and adjustable talk volume so you do not miss any important call, and your correspondents are always perfectly audible. This also means you can communicate with ease even when you move from a quiet office environment to a loud outdoor storage area. Astra checks the degree of ruggedness with standardized test cases\*\*. In these tests a device is dropped from 2 m height (Astra 632d) once on each side on a concrete floor and must show neither damage nor impairment of function.

\*\* according to DIN EN 60068-2-31 (04/2009)

# Mobile High End phones for high-performance communication networks

## Mobile freedom

The 600c/d family of mobile terminals is perfectly geared to the Aastra telephone systems, giving you reliable access to the many possibilities provided by the telephone system wherever you are within the company premises. In conjunction with Aastra's SIP-DECT solution, you also benefit from the possibilities and advantages of VoIP technology. As the phones also support the GAP standard, they can also be integrated into the DECT systems of other manufacturers and access the relevant basic functions.

## A strong family

Aastra's 600c/d family provides the right mobile assistant for your communication needs, whatever the application. The phones' outstanding speech quality makes for crystal-clear mobile communications. Operation itself is so simple and intuitive that the User's Manual is certain to gather dust! The large 2" display is perfectly designed for optimum overview and good legibility.

The interface for an optional microSD card in the Aastra 622d, 632d and 650c ensures high availability. The device data stored on the SD card can be quickly transferred to a replacement handset just by moving the card. The new handset can be used immediately without having to subscribe again.



Highlights	612d	622d	632d	650c
TFT colour display (2", 176x220 pixels, 65,536 colours) / scratch resistant	• / -	• / •	• / •	• / •
Phone book contacts, with 7 entries each (business, private and mobile numbers; fax, e-mail address* and ring-tone allocation, speed-dial number)	200*	200*	200*	200*
Ambient noise filter for loud environments	•	•	•	•
Polyphonic ring tones (midi files) / non-polyphonic ring tones with automatic volume control*	44 / 29	44 / 29	44 / 29	44 / 29
Setup for application profiles, e.g. for headset or conference mode	5	5	5	5
Hands-free	•	•	•	•
Headset socket – 2.5 mm jack and Bluetooth®	• / -	• / •	• / •	• / •
Programmable hotkey for call numbers or functions		1	1	1
Programmable side keys / navigation keys* / softkeys*	- / 2 / 2	3 / 2 / 2	3 / 2 / 2	3 / 2 / 2
Emergency key on the device			•	
Mandown, escape and no movement alarm*			•	
Intelligent battery management	•	•	•	•
3-coloured multifunctional LED in the top right-hand corner	•	•	•	•
USB – PC interface		•	•	•
CAT-iq 1.0 certified*				•
<b>Administration</b>				
Automatic firmware update "Over Air"*	•	•	•	•
Integrated diagnostics functions	•	•	•	•

\* Must be supported by the PBX



## For each need the right phone

### Aastra 612d

The Aastra 612d is the basic model for the business sector. Its local phone book contains up to 200 contacts with 7 entries each\*. The redial list allows quick access to the last 20\* numbers dialled. Its large TFT colour display provides clear graphic displays and ideal legibility even under difficult lighting conditions. The display size offers the perfect conditions for intuitive menu guidance and ergonomic operation.

With the built-in hands-free functionality the phones provide excellent comfort for normal telephone calls as well as for telephone conferences.

### Aastra 622d and Aastra 650c

The user-friendly Aastra 622d and 650c are the high-end mobile phones for the professional. Many freely programmable keys support the simple navigation and the use of different lines. Equipped with a Bluetooth® interface for a cordless headset, Aastra 622d and 650c allow maximum freedom of movement. The high-quality lithium-ion battery can be charged via the USB interface, independently of the charging bay. The headset socket remains accessible, so calls can still be made via the headset while charging is in progress. An optional power battery is available for operating times of up to 200 hours in standby mode.

The Aastra 650c is CAT-iq 1.0 certified and offers an excellent sound experience. Also in infrastructures that do not support CAT-iq, you benefit from a very good voice quality through the high-quality audio components of the phone. This is especially true when in hands-free mode.

### Aastra 632d

The solid Aastra 632d is designed for use in tough working environments. The device satisfies industrial standard IP 65 and with its high level of dust protection and jet-water resistant it can be used anywhere outdoors or in production. Very easy to clean and complies with high hygiene requirements, making it ideally suited for the healthcare sector, too. Aastra 632d is capable of withstanding fall heights of up to 2 m onto concrete\*\*. Not only that, it offers all the user convenience of the Aastra 622d such as a large scratch resistant TFT display, Bluetooth® and USB interface. With its integrated sensor alarm the phone is ideal for security professions or the prison and detention sectors. When the "mandown" feature is activated, the phone automatically ascertains whether it is in a position that might indicate that the employee is in a dangerous situation – and, if necessary, sends an alarm to a preset number. An additional emergency call key makes the 632d the ideal companion not just for security-related professions, but also for hospitals and care facilities.

*The phone's outstanding speech quality makes for crystal-clear mobile communications.*



Aastra 612d



Aastra 622d



Aastra 650c



Aastra 632d

\*\* according to DIN EN 60068-2-31 (04/2009)

# Overview of the Aastra 600c/d family

## Aastra 622d actual size



A headset allows you to telephone with both hands free. This enables service staff to work on a faulty machine whilst following direct instructions over the phone enabling faster repairs & increase accuracy. With built-in Bluetooth® technology (Aastra 622d, 632d, 650c), this function is also available as wireless.



## Additional information at a glance

Local features	612d	622d	632d	650c
Telephone lock with 4-digit PIN	•	•	•	•
Illuminated keypad and display	•	•	•	•
Different tones for: internal & external calls, messages, alarm calls, emergency calls *	•	•	•	•
Softkeys/programmable keys*	3 / 4	3 / 8	3 / 8	3 / 8
Variable handset, loudspeaker and headset volume	•	•	•	•
Automatically* or manually adjustable ring tone volume	•	•	•	•
Ring tone deactivation via key (*)	•	•	•	•
Signal tones for keypress, confirmation, battery status, range warning	•	•	•	•
Illumination time for keypad and display separately configurable within and outside the charger	•	•	•	•
Lines on the display plus 1 header and 1 softkey line	7	7	7	7
Configurable handset name	•	•	•	•
Configurable display brightness	•	•	•	•
3 different character fonts selectable	•	•	•	•
Alarm and appointment settings for 3 entries each*	•	•	•	•
Automatic answer when the handset is removed from the charger cradle	•	•	•	•
Automatic and manual keypad lock	•	•	•	•
Selectable colour schemes	•	•	•	•
+, - Keys for volume control	•	•	•	•
Silent charging	•	•	•	•
Vibra alarm	•	•	•	•
Caller list	30 entries*	50 entries*	50 entries*	50 entries*
Redial list	20 entries*	30 entries*	30 entries*	30 entries*
Display languages* - DE, EN, FR, IT, ES, FI, NL, SE, DK, PT, NO, RU, PL, CZ, SK, TR	•	•	•	•
Time and date (manual or by PABX*)	•	•	•	•
Mandown, escape and no movement alarm*	•	•	•	•
<b>Technical Data</b>				
Protection class	IP50	IP50	IP65	IP50
Supports DECT encryption	•	•	•	•
Standard battery (SA)	Lithium-ion	Lithium-ion	Lithium-ion	Lithium-ion
Power battery (PA) – accessories		Lithium-ion	Lithium-ion	Lithium-ion
microSD card interface		•	•	•
<b>Standby mode</b>				
Standard battery (SA)	100 h EMEA / 95 h US	100 h EMEA / 95 h US	100 h EMEA / 95 h US	100 h EMEA / 95 h US
Power battery (PA)		up to 200 h EMEA / 190 h US	up to 200 h EMEA / 190 h US	up to 200 h EMEA / 190 h US
<b>Talk time</b>				
Standard battery (SA)	min. 12 h EMEA / 15 h US	up to 12 h EMEA / 15 h US	up to 12 h EMEA / 15 h US	up to 12 h EMEA / 15 h US
Power battery (PA)		up to 24 h EMEA / 30 h US	up to 24 h EMEA / 30 h US	up to 24 h EMEA / 30 h US
Height for withstanding a fall on concrete undamaged**	1.5 m	1.7 m	2.0 m	1.7 m
Screwed battery compartment cover			•	
TPE*** laminated surface (sides and/or front)		•	•	•
Dimensions (length / width / height)	135×49×22.5 mm	135×49×22.5 mm	135×53×22.5 mm	145×49×22.5 mm
Weight with standard battery	127 g	127 g	139 g	132 g
International power supply unit for EMEA (Europe, Middle East, Africa) North America and Australia	•	•	•	•
Compatible with commercially available USB charger		•	•	•

\* Must be supported by the PBX  
 \*\* according to DIN EN 60068-2-31 (04/2009)  
 \*\*\* Thermoplastic elastomers



## About Aastra

Aastra Technologies Limited, (TSX: "AAH") is a leading corporate communication systems company. Aastra is headquartered in Concord, Ontario, Canada. Aastra develops and markets innovative communication solutions which address the needs of companies, small and large. Aastra has representatives across the globe, with over 50 million installed connections and direct as well as indirect presence in more than

100 countries. The broad portfolio offers multi-function call managers for small and medium-sized companies as well as highly scalable call managers for large companies. The portfolio also includes integrated mobility solutions, call-centre solutions and a wide range of terminals. With strong focus on open standards and customer-specific solutions, Aastra enables companies to communicate and work together more effectively.

**Please visit Aastra's website for further information: [www.aastra.com](http://www.aastra.com)**

### Scope of delivery

Handset with standard battery, belt clip and charger with international AC-Adapter

Quick User Guide

### Accessories

Charger with international AC-Adapter

Handset Aastra 612d, 622d, 632d and 650c with standard battery and belt clip

Power battery for Aastra 622d, 632d and 650c

Cover for power battery compartment, Aastra 622d and 650c

Cover for power battery compartment, Aastra 632d (screwed)

Rotary belt clips

Lanyard attachment with band holder for Aastra 632d

Leather pouches to protect the handsets

Charger Rack with 8 charger cradles

USB cable

microSD card for Aastra 622d, 632d and 650c