



JABRA ENGAGE WIRELESS HEADSETS
**Maximize your wireless
headset security**

Secure your business conversations

Cyber crime continues to be a challenging and expensive issue for businesses, particularly with the rise in remote working. And because the potential for data security breaches like eavesdropping is hugely increased outside of the office, businesses need a solution that ensures critical conversations can happen securely, wherever their teams are working.

Jabra meets this challenge head-on, taking communication security to the next level with the Engage Series of DECT wireless headsets to ensure conversations stay secure everywhere. 256-bit AES encryption and FIPS 140-2 algorithms take call security above and beyond the highest level of DECT Secure step C certification, to protect sensitive customer data when working from home and in the office.

SECURITY PAINS AT A GLANCE

- Eavesdropping is a major concern, especially for companies with staff working remotely
- As hybrid working increases, so too does cyber crime, with cyber crime-related attacks skyrocketing by **600%** during COVID-19
- Remote working has made companies more vulnerable to cyber attack, causing **the average cost of a data breach to increase by \$137,000**
- Eavesdropping is one of the **8 most common** cyber attacks, but it can be easily prevented with the right level of security².

THE SOLUTION

- Jabra Engage headsets provide outstanding security, protecting enterprise customer data from hackers with DECT Security step C certification and military grade FIPS 140-2 encryption algorithms.

¹15 Important Cybersecurity Statistics in 2021 – TitanFile

²The 8 Most Common Cyber Attacks and How to Stop Them – Alpine Security







THE THREE STAGES



PAIRING



AUTHENTICATION



ENCRYPTION

The solution: Jabra Engage headsets

Pairing. Authentication. Encryption.

With Jabra Engage, there is increased security of the wireless connection between the wireless headset and its base unit or USB adapter. Rock-solid security is provided in three steps, improving the protection of calls to a category-leading level.

PAIRING

The first step is a physical bonding of the base unit and headset. Jabra has patented 'physical assisted pairing' to increase security. The Jabra assisted pairing method occurs only when the headset is docked in the base unit, and a secret link-key is then formed when the two pair.

AUTHENTICATION

At the start of a call, encryption is used to set up secure authentication between the Engage headset and its base. A link is established using a secret key-link formed in the pairing (without this, the headset and base unit will not work together). This means that a non-paired headset cannot be used with the base unit. The authentication link is also protected by encryption. The better the encryption level, the more secure the established link.

ENCRYPTION

In calls the audio signal between base unit and headset transports data, which is secured via encryption. The higher encryption level, the better the protection of data. With Jabra Engage, the encryption link is renewed every minute to make decryption more difficult.

SECURITY FEATURES COMPARED:



| SECURITY FEATURES | JABRA ENGAGE 55 | JABRA ENGAGE 75/65 | EPOS SD W 5000 SERIES | POLY SAVI 8200 SERIES |
|-----------------------------|----------------------------------|-------------------------------------|-------------------------------------|-----------------------|
| Pairing | | Physical assisted, patented pairing | Physical assisted, patented pairing | |
| Authentication | 128 bit DSAA2 (AES) ² | 128 bit DSAA2 (AES) ² | 128 bit DSAA2 (AES) | 64 bit DSAA |
| Encryption | 256 bit AES | 256 bit AES | 128 bit AES | 64 bit DSC |
| DECT security level | beyond C | beyond C | B | A |
| FIPS 140-2 listed functions | Yes | Yes | No | No |

INCREASED PROTECTION WITH JABRA ENGAGE SERIES WIRELESS HEADSETS

Security algorithms are listed in **FIPS 140-2** standards required by the US military and government, and recommended by the National Institute of Standards and Technology for financial institutions demanding the highest degree of security

The wireless connection is secured with patented pairing – authentication between headset and base or dongle is established with **128-bit** level technology compared to the category standard 64-bit

The wireless connection is secured using **256-bit** AES encryption – giving a line of defense that goes beyond that of DECT Security Level C

Protecting your data

DECT security has evolved over time from the original security definition, to new enhanced definitions called step A, B, and C; each step offering an increased security over the previous step. Each new security level includes all features from a previous level. This means, for example, that Jabra Engage includes all step A, B and C features. For instance, significant features added in step A (such as early encryption derived cipher key updating at least every minute), and peer-side behavior evaluation.

Jabra Engage Series wireless headsets go one step further, taking advantage of encryption algorithms listed in FIPS 140-2 standards required by the US military and government. This level of security goes beyond DECT Level C.

Jabra Engage utilizes AES 256-bit keys for the very strongest level of encryption in a professional headset.

FIPS 140-2 – WHAT’S GOOD FOR THE MILITARY, IS NOW GOOD FOR YOU

- FIPS 140-2 is a security standard **backed by National Institute of Standards and Technology**
- FIPS 140-2 lists **approved security functions** for encryption, message integrity, and authentication
- Those functions provide **military grade security** (e.g. AES encryption) approved for use by the US government and recommended for financial institutions across the globe



Encryption excellence

Jabra Engage utilizes the very strongest encryption in a professional headset



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| JABRA ENGAGE WIRELESS SERIES | | | | |
| EPOS SDW 5000 SERIES | | | | |
| POLY SAVI 8200 SERIES | | | | |
| DECT security Authentication (DSAA) ¹ Encryption (DSC, 64 bit keys) | DECT security step A New features which correct certain vulnerabilities Secure DECT certification | DECT security step B New authentication using strong AES 128 bit encryption (DSAA2) ¹ | DECT security step C Strong encryption of audio stream using AES 128 bit keys (DSC2) ¹ | Military Standards FIPS algorithms Even stronger encryption of audio stream using AES 256 bit keys The security level of the Jabra Engage 75 and 65 wireless headsets has been independently tested and verified by NCC Group/FortConsult. |

¹ DSAA and DSC are the authentication and encryption algorithms defined in the DECT security standard ETSI EN 300 175-7 applicable for DECT security and DECT security step A. DSAA2 and DSC2 are the equivalent updated security algorithms for the next steps of DECT security, steps B and C.



More about Jabra Engage Series wireless headsets

- **Provides superior wireless connectivity** with a range of up to 150 meters/490 feet
- **Enables up to 3x more users** in the same office space with no loss in connection quality
- **Delivers crystal clear calls** even in noisy environments, with advanced noise-cancelling microphone and enhanced speakers
- **Meets Microsoft Open Office** microphone standards.* Engage 55 also offers a Microsoft Teams variant which meets the Premium Microphone for Open Office standard (stereo and mono variants)
- **Offers connectivity options** with Engage 55 single USB connectivity, Engage 65 dual connectivity and Engage 75 penta connectivity
- **Boosts productivity** with all day battery life, lightweight wearing styles, and a busylight to deter interruptions

WHY JABRA

Different working environments call for different solutions. As a world-leading supplier of wireless headset solutions, Jabra has many years of experience helping customers deploy effective wireless solutions to their employees wherever they work.



ENGAGE 65



ENGAGE 75



ENGAGE 55

* Variant dependent



Find out more

If you have any questions about security with Jabra products, please contact your Jabra representative or visit [Jabra.com](https://www.jabra.com)

WHO WE ARE

We engineer technology that makes life look and sound better. Our world-leading headsets, intelligent video technology and advanced earbuds make sure life and work stay wonderfully in tune.