






Download Center

Here you will find current and prior versions of AirID related drivers, SDKs and firmware.

Driver & SDK

Choose your platform:

-  Windows
-  macOS
-  iOS
-  Android
-  Linux

Firmware

Choose your product:

- AirID 2 Business
- AirID 2 Government
- AirID 2 Mini Business
- AirID 2 Mini Government
- AirID 1 Business
- AirID 1 Government
- AirID Bridge

Driver & SDK



| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|-----------------------------|---|---------|---|----------------------------------|---|---|
| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7) | 200415 | <p>Release Notes</p> <p>General</p> <ul style="list-style-type: none"> signed with new certificate valid until 2022 removed OpenSC from installer <p>Driver: 0.9.11.6</p> <ul style="list-style-type: none"> signed with new certificate valid until 2022 <p>Central: 1.0.0.2</p> <ul style="list-style-type: none"> added Tutorial for easy setup updated firmware update to 1.3.1 for AirID2, AirID2 Mini business added firmware update to 1.3.1 for AirID2, AirID2 Mini government removed legacy code and resources signed with new certificate valid until 2022 <p>In case the Firmware update does not proceed, unplug and plug in the USB cable. Furthermore, it is recommended to use the shipped USB cable.</p> | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-200415-.exe | AirID-Installer-200415.exe.sha2_256 |

Prior versions


| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|--------------|-------------|---------|---------------|-----------------------|------|-------------------|
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|-----------------------------|--|----------|---|----------------------------------|--|---|
| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7), and Middleware OpenSC | 1.0.24.6 | <p>Installer contains:</p> <p>Driver: 0.9.11.5</p> <ul style="list-style-type: none"> Fixed driver crashes <p>Central: 0.9.24</p> <ul style="list-style-type: none"> Fixed bug related to flash A2 <p>includes FW updates:</p> <ul style="list-style-type: none"> AirID1 Business 1.2.4-GA AirID1 Government 1.3.4-GA AirID2 Business 1.2.1-GA AirID2 Mini Business 1.2.1-GA <p>OpenSC v 0.20.0.6</p> <p>In case the Firmware update does not proceed, unplug and plug in the USB cable. Furthermore, it is recommended to use the shipped USB cable.</p> | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-191122.exe | AirID-Installer-191122.exe.sha2_256 |
| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7), and Middleware OpenSC | 1.0.23.2 | <p>Installer contains:</p> <ul style="list-style-type: none"> AirID Driver 0.9.10 AirID Central v 0.9.23 <p>improved:</p> <ul style="list-style-type: none"> Removed "Backlight" setting for AirID 2 Mini Removed "Settings" and "Change PIN" from AirID Central menu (right click in Windows notification area) <p>includes FW updates:</p> <ul style="list-style-type: none"> AirID1 Business 1.2.4-GA AirID1 Government 1.3.4-GA AirID2 Business 1.1.1-GA AirID2 Mini Business 1.1.1-GA <ul style="list-style-type: none"> OpenSC v 0.20.0.6 <p>Known issues:</p> <ul style="list-style-type: none"> Switching off and on BLE in the Windows settings might cause connection and driver issues | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-190917.exe | AirID-Installer-190917.exe.sha2_256 |
| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7), and Middleware OpenSC | 1.0.22 | <ul style="list-style-type: none"> UI design <p>Installer contains:</p> <ul style="list-style-type: none"> AirID Driver 0.9.10 AirID Central v 0.9.22 <p>new:</p> <ul style="list-style-type: none"> support AirID 2 Mini (identifier, graphic, settings, etc.) <ul style="list-style-type: none"> added graphic for AirID 2 added graphic for AirID 1 with certgate Layout show currently used encryption standard (AES 256 / 128) instead of showing configured encryption standard (Force 256 bit > Yes / No) <p>improved:</p> <ul style="list-style-type: none"> improved filter and sort AirID Bridge search results <ul style="list-style-type: none"> removed built information for FW <p>fixed:</p> <ul style="list-style-type: none"> signal strength setting with 4 bars for AirID 2 and AirID 2 Mini <p>includes FW updates:</p> <ul style="list-style-type: none"> AirID 1 Business 1.2.4-GA AirID 1 Government 1.3.4-GA AirID 2 Business 1.0.3-GA <p>Known limitations:</p> <ul style="list-style-type: none"> The Windows device manager currently shows v0.9.0.0 instead of v0.9.10. Switching off and on BLE in the Windows settings might cause connection and driver issues | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-190607.zip | AirID-Installer-190607.zip.sha2_256 |

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| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7), and Middleware OpenSC | 1.0.21 | <p>Contains:</p> <ul style="list-style-type: none"> Central 0.9.21 Driver 0.9.9 FW AID2-FW-1.0.3-GA <p>Fixed:</p> <ul style="list-style-type: none"> Scaling issue in Central Issue with device descriptor regarding long FW names Request during installation with Win 7 <p>Improved:</p> <ul style="list-style-type: none"> Firmware distribution in Central for AirID1 BUS/GOV and AirID2 BUS | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-1.0.21.zip | AirID-Installer-1.0.21.zip.sha2_256 |
| AirID Installer for Windows | AirID Central and Driver installation for Windows, Winusbcompat (Bridge Win7), and Middleware OpenSC | 1.0.20.0 | <ul style="list-style-type: none"> changed default: OpenSC will not be installed changed default: Winusbcompat will be installed on Win7 removed: Auto-Lock Feature updated: central 0.9.19 -> 0.9.20 <ul style="list-style-type: none"> fixed: bug related to scaling | Windows 7, 8.1, 10 (32 & 64 bit) | AirID-Installer-1.0.20.0.exe.zip | AirID-Installer-1.0.20.0.exe.zip.sha2_256 |




APPLE macOS INFORMATION PAGE AVAILABLE

 Please check our [Information page "AirID & Smart Card @ MacOS"](#) to receive valuable information about MacOS & smart card integration!



| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|--------------|-------------|---------|---------------|-----------------------|------|-------------------|
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|-----------------------------------|--|----------|--|--|--|---|
| AirID BLE Software for MacOS | AirID BLE Software for MacOS to connect AirID & AirID Mini with MacOS systems via Bluetooth LE | 1.1.0-GA | <p>release contains</p> <ul style="list-style-type: none"> AirID BLE IFD Handler v1.1.0-GA (Driver for AirID BLE connection) AirIDMacCentral v1.1.0-GA (UI program for selecting/changing AirID) Full support for released versions of macOS Mojave 10.14.6 and macOS Catalina 10.15.3 Removed debug log for sc status (too much) in ifd-airid-ble driver Added (public) to debug logging as Catalina 10.15.3 no longer allows to enable and display private data logging Removed card-idle-timer Feature from ifd-airid-ble driver as it looks like Apple is integrating such a feature directly in CTK ifd-airid-ble.pkg package is now signed with Developer ID Installer: certgate GmbH (HY99FHCP6A) certificate AirIDCentral.pkg package is now signed with Developer ID Installer: certgate GmbH (HY99FHCP6A) certificate AirIDCentral.pkg package is now notarized and stapled as well AirIDMacCentral was renamed to AirIDCentral <ul style="list-style-type: none"> Please remove the OLD /Applications/AirIDMacCentral Application manually The Installer installs the new named AirIDCentral Application to /Applications. AirID Central now presents a "Introduction Tutorial" when started for the first time. Reworked the Help Menu Structure <ul style="list-style-type: none"> Show Introduction Tutorial Online Support Access for https://certgate.com/support About AirIDCentral Main Installer package is now component based and allows selection of component packages Main Installer package now checks if os-version >= 10.14 (Mojave and Catalina) Main Installer package now checks if os arch type == x86_64 <p>Known Issues</p> <ul style="list-style-type: none"> Enable logging of private Date is no longer working in Catalina, e.g. "sudo log config --mode "private_data:on" <ul style="list-style-type: none"> Using the PrivateLogs workaround is no longer working starting with macOS 10.15.3-beta2 (beta1 still works) | <ul style="list-style-type: none"> macOS Mojave 10.14.6 macOS Catalina 10.15.3 <p>Only macOS Catalina 10.15.4 is supported.</p>  macOS Catalina 10.15.1, 10.15.2, 10.15.3 and Betas are not supported | AirID-BLE-Software-for-MacOS-1.1.0.pkg | AirID-BLE-Software-for-MacOS-1.1.0.pkg.sha2_256 |
| AirID CCID-USB Software for MacOS | AirID CCID-USB Software for MacOS to connect AirID & AirID Mini with MacOS (Mojave only) via USB | 1.4.31 | <p>Contains:</p> <ul style="list-style-type: none"> libccid 1.4.31 repackaged to include only certgate AirID based USB product VID/PID Installer signed with certgate Apple Developer ID certificate Installer Apple notarized | <p>MacOS 10.13+ to 10.14.6 (Mojave)</p> <p>This package is not required on MacOS 10.15 (Catalina). MacOS 10.15 (Catalina) includes libccid 1.4.31 already.</p> | ifd-airid-ccid-1.4.31.pkg | ifd-airid-ccid-1.4.31.pkg.sha2_256 |

Prior versions

| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|------------------------------|--|----------|---|-----------------------|--|---|
| AirID BLE Software for MacOS | AirID BLE Software for MacOS to connect AirID & AirID Mini with MacOS systems via Bluetooth LE | 1.0.0-GA | <p>Initial release contains</p> <ul style="list-style-type: none"> AirID BLE IFD Handler v1.0.0-GA (Driver for AirID BLE connection) AirIDMacCentral v1.0.0-GA (UI program for selecting /changing AirID) | MacOS Mojave 10.14.6 | AirID-BLE-Software-for-MacOS-1.0.0.pkg | AirID-BLE-Software-for-MacOS-1.0.0.pkg.sha2_256 |



| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|-------------------|-------------------|----------|--|-----------------------------|--|---|
| AirID SDK for iOS | AirID SDK for iOS | 1.0.4-GA | <p>New or changed:</p> <ul style="list-style-type: none"> Analyzed and refactored code with regards to initial pairing and LTK / SK creation to make initial LTK key agreement more robust against LTK and SK negotiation failures with AirID1 devices. Moved exchangeKey to AIDDeviceStateConnected Added state counter to better track state changes and having better control for state transits replaced calls to exchangeKey by state reenter Use state counter for detecting init abort on problems or connectivity issues when Key agreement is in progress. changed Timer Timeout for pairing (from selection to successful final initialization) from 30.0 seconds to 50.0 seconds Changed encryption TAG length from 8 to 4 to comply with other platform drivers and make packet transmit more robust Updated logging to use device name where appropriate <p>Fixed:</p> <ul style="list-style-type: none"> AirID reader becomes disconnected during initial connection with pairing (regression) Fixed mis guided Timer Timeout which sometimes fires even when Timer was invalidated. This issue was partly responsible for firing "Initialization Timeout" Errors even when LTK and SK where successfully negotiated. Use encrypted data length for packet calculation not the "unencrypted" data length. | >= iOS 10.3.3; Xcode 10+ | AirID-iOS-Driver-v1.0.4-GA.zip | AirID-iOS-Driver-v1.0.4-GA.zip.sha2_256 |

Prior versions

| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|-------------------|-------------------|---------|---|-----------------------------|---|--|
| AirID SDK for iOS | AirID SDK for iOS | 1.0.0 | <ul style="list-style-type: none"> Added compatibility with firmware 1.2.1 and 1.3.0 Improved protocol downgrade protection | >= iOS 10.3.3; Xcode 10+ | AirID-iOS-SDK_1.0.0.zip | AirID-iOS-SDK_1.0.0.zip.sha2_256 |



Due to the huge amount of variants of Android OS implementations, we can not guarantee the function of AirID SDKs and AirID devices with any Android device. We are only supporting AirID2 in combination of the Enterprise Edition of Samsung Galaxy S8, S9 & S10.

In case of unstable AirID2 - Android connections please contact our support by creating a support ticket:

For more information about our products visit our website: <https://certgate.com/en/>

You can also visit our <https://certgate.com/service-portal> or directly create a support ticket

[create a support request](#)

| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
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| AirID SDK for Android | AirID SDK for Android | 1.9.4-GA | <ul style="list-style-type: none"> Android Studio 3.6.3 was used to build the final GA Release Android 10 is now fully supported but we still targeting API version 28 The Driver now uses android.permission.ACCESS_FINE_LOCATION to support Android 10 in AndroidManifest.xml The Driver now uses android.permission.ACCESS_BACKGROUND_LOCATION to support Android 10 Better support for HW revision A2XX1.1.0 and firmware 1.3.1+. Added A2XX and A2MX serial number parsing to DeviceType enum. Fixed an issue with AirID1 key management and Android 10 | Android 8 upwards (API 26); Android Studio 3.6.3 | AirID-Android-Driver-v1.9.4.zip | AirID-Android-Driver-v1.9.4.zip.sha2_256 |
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Prior versions

| Driver & SDK | Description | Version | Release Notes | Supported OS Platform | File | Checksum (SHA256) |
|-----------------------|-----------------------|----------|---|--|--|---|
| AirID SDK for Android | AirID SDK for Android | 1.9.3-GA | <ul style="list-style-type: none"> Updated Gradle version to v3.4.1 Activated NSLogger for debug version Implementation of accessibility for AirID2 Mini readers Defined new setting for LEDs for AirID2 Mini | Android 8 upwards (API 26); Android Studio 3.4.1 | AirID-Android-Driver_v1.9.3-GA.zip | AirID-Android-Driver_v1.9.3-GA.zip.sha2_256 |
| AirID SDK for Android | AirID SDK for Android | 1.9.2-GA | <ul style="list-style-type: none"> Analyze code with regards to initial pairing and LTK/SK creation to make initial LTK key agreement more robust against LTK and SK negotiation failures with AirID1 devices. Analyze and test code with regards to time intervals to eliminate AirID reader stuck on "not bonded yet". Test and change the time intervals and delays on Bluetooth connection to make the connection more stable. Set the key remotely from the app for saving LTKs is available. (Optional) | Android 8 upwards (API 26); Android Studio 3.4.1 | AirID-Android-Driver-v1.9.2-GA.aar.zip | AirID-Android-Driver-v1.9.2-GA.aar.zip.sha2_256 |
| AirID SDK for Android | AirID SDK for Android | 1.8.6 | <p>Bugfixes</p> <ul style="list-style-type: none"> handling of AirID no random number disconnect after card reset loop after force AES-256 mode is enabled AirID2 discovery and pairing | Android 4.4 upwards | AirIDDriverAndroid-1.8.6.aar.zip | AirIDDriverAndroid-1.8.6.aar.zip.sha2_256 |



Linux

As there are many distributions of Linux available, please contact our support at support@certgate.com to get the suitable AirID driver for your Linux system.





Firmware

AirID 2 Business


[How do I update the AirID device firmware on Windows 10 and MacOS?](#)



| Description | Version | Release Notes | Classification | File | Checksum (SHA256) |
|-------------|---------|---------------|----------------|------|-------------------|
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|-----------------------------------|----------|--|--------------------|--|---|
| AirID 2 Firmware Business Edition | 1.3.2-GA | <p> Fixed</p> <ul style="list-style-type: none"> Shut up USB IRQ noises with older AirID2 hardware revisions -> speed fixes <p> Added</p> <ul style="list-style-type: none"> Disconnect after Bluetooth Pairing when there is no write to AirID service for 3s afterwards Added watchdog to switch off Bluetooth when Battery gets below 3,4V (-0%) to avoid SC failures for power consuming tasks, RSA Keypair generation or other heavy duty operations Added event logging capability for the last ~100 events to AirID2 firmware <ul style="list-style-type: none"> To get an insight view what happens in the BLE stack @ a disconnect, we gather some debug infos: <ul style="list-style-type: none"> Read last ble disconnect reason in debug menu Information about connection parameters New logging data struct for BLE stack events: <ul style="list-style-type: none"> size ~100 last events stop logging @ disconnect read data from new RPC command restart logging after read This feature is currently only available from the DEBUG menu of the AirID2 device and not exposed to any SDK / Driver | Recommended Update | airid-all-firmware-1.3.2.zip | airid-all-firmware-1.3.2.zip.sha2_256 |
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Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-----------------------------------|----------|---|--|---|
| AirID 2 Firmware Business Edition | 1.3.1-GA | <p>Improved:</p> <ul style="list-style-type: none"> added intelligent flasher "winusb-flash-device.exe" and "flash-airid.command" on MacOS added support for new bootloader signing keys | airid-all-firmware-1.3.1.zip | airid-all-firmware-1.3.1.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.3.0-GA | <p>Improved:</p> <ul style="list-style-type: none"> Support for new USB controller for AirID2 and AirID2 Mini (the same firmware works on both controllers) Low battery warnings are displayed contrast menu removed from settings | airid2-fw-1.3.0.zip | airid2-fw-1.3.0.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.2.1-GA | <p>Improved</p> <ul style="list-style-type: none"> NVM rework to make future firmware updates smooth BLE stack updated to v 2.12.3 Distance sensor presettings adjusted: near -70dB, mid -75dB, far -80dB If the device is in USB card reader mode, a new bluetooth connection will not make it leave the USB card reader mode Card support: disabled Clock stop support which seems to cause trouble with TicTok cards For AirID Mini: Linearization of battery level during charging and discharging <p>Note for firmware updates</p> <p> The device settings will be set to default for firmware updates from versions lower than v1.1.1. Please check your device settings after doing the firmware update</p> <p>Note for firmware downgrades</p> <p>If you want to downgrade to 1.1.1, first do a downgrade to 1.1.0, then upgrade to 1.1.1, otherwise NVM in 1.1.1 will not work even after factory reset. If re-updating, do a factory reset.</p> <p>Note for users with version 1.2.0-rc1/rc2</p> <p>For firmware updates from version 1.2.0-rc1/rc2, make sure the USB cable is not connected BEFORE the update process is started. In case the device is already connected via USB, replug the cable to enter the flashing mode.</p> | airid2-fw-1.2.1.zip | airid2-fw-1.2.1.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.1.1-GA | <p>Fixed</p> <ul style="list-style-type: none"> Battery status icon updates with changed battery level Staccato like switching connection off/on doesn't bother BLE handling NVM initialization logic <p>Improved</p> <ul style="list-style-type: none"> Setting maximum and minimum advertising interval to 152.5 ms Setting maximum and minimum fast connection intervals to 15 ms Setting maximum and minimum slow connection intervals to 195/210 ms Don't send duplicated smart card status Keep existing configuration parameters at firmware update; new ones will be added with their default values LCD and backlight stay on at USB connection <p>Known limitations:</p> <ul style="list-style-type: none"> The firmware update might reset the configured settings In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2-fw-1.1.1.zip | airid2-fw-1.1.1.zip.sha2_256 |

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| AirID 2 Firmware Business Edition | 1.1.0-GA | <p>New:</p> <ul style="list-style-type: none"> Implementation of settings --> "Remove pairing" to remove the pairing information and keys (prior name of this option: "Reset keys") Implementation of settings --> "Reset keys" to delete the stored keys (LTK) only without removing the pairing (new option) Removed "Card Info" item from menu Forced LE Secure Connection method for BLE pairing and communication <p>Improved:</p> <ul style="list-style-type: none"> Turn on display and backlight permanently while the device is connected to an external power supply Change default value for setting of USB Card Reader (CCID) to Off Returning to prior menu item after USB Card Reader pop-up dialog closes instead of moving to main menu item "AirID" per default <p>Fixed:</p> <ul style="list-style-type: none"> issues concerning TPDU error handling issues concerning the icon for distance sensor in case of exceeding BLE range workaround for internal BLE stack issues by device reboot <p>Known limitations:</p> <ul style="list-style-type: none"> In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2-fw-1.1.0.zip | airid2-fw-1.1.0.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.0.3-GA | <p>Fixed:</p> <ul style="list-style-type: none"> Issues regarding T1 cards Advertising issues Smaller bugfixes <p>Improved:</p> <ul style="list-style-type: none"> Battery capacity display on device | airid2-fw-1.0.3.zip | airid2-fw-1.0.3.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.0.2-GA | <p>Fixed:</p> <ul style="list-style-type: none"> Smaller bugfixes <p>Improved:</p> <ul style="list-style-type: none"> Remove "Card Info" menu item Set "Force 256bit" default value to yes | airid2-fw-1.0.2.zip | airid2-fw-1.0.2.zip.sha2_256 |
| AirID 2 Firmware Business Edition | 1.0.1-GA | Initial General Availability (GA) Version of the AirID2 Firmware Business Edition | airid2-fw-1.0.1.zip | airid2-fw-1.0.1.zip.sha2_256 |

AirID 2 Government



[How do I update the AirID device firmware on Windows 10 and MacOS?](#)

| Description | Version | Release Notes | Classification | File | Checksum (SHA256) |
|-------------------------------------|----------|---|--------------------|--|---|
| AirID 2 Firmware Government Edition | 1.3.2-GA | <p>✓ Fixed</p> <ul style="list-style-type: none"> Shut up USB IRQ noises with older AirID2 hardware revisions -> speed fixes <p>+ Added</p> <ul style="list-style-type: none"> Disconnect after Bluetooth Pairing when there is no write to AirID service for 3s afterwards Added watchdog to switch off Bluetooth when Battery gets below 3.4V (-0%) to avoid SC failures for power consuming tasks, RSA Keypair generation or other heavy duty operations Added event logging capability for the last ~100 events to AirID2 firmware <ul style="list-style-type: none"> To get an insight view what happens in the BLE stack @ a disconnect, we gather some debug infos: <ul style="list-style-type: none"> Read last ble disconnect reason in debug menu Information about connection parameters New logging data struct for BLE stack events: <ul style="list-style-type: none"> size ~100 last events stop logging @ disconnect read data from new RPC command restart logging after read This feature is currently only available from the DEBUG menu of the AirID2 device and not exposed to any SDK / Driver | Recommended Update | airid-all-firmware-1.3.2.zip | airid-all-firmware-1.3.2.zip.sha2_256 |

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-------------|---------|---------------|------|-------------------|
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| AirID 2 Firmware Government Edition | 1.3.1-GOV-GA | Improved: <ul style="list-style-type: none"> added intelligent flasher "winusb-flash-device.exe" and "flash-airid.command" on MacOS added support for new bootloader signing keys | airid-all-firmwar e-1.3.1.zip | airid-firmware-1.3.1.zip.sha2_256 |
| AirID 2 Firmware Government Edition | 1.3.0-GOV-GA | Improved: <ul style="list-style-type: none"> Support for new USB controller for AirID2 and AirID2 Mini (the same firmware works on both controllers) Low battery warnings are displayed contrast menu removed from settings | airid2-fw-1.3.0-GOV.zip | airid2-fw-1.3.0-GOV.zip.sha2_256 |
| AirID 2 Firmware Government Edition | 1.1.1-GOV-GA | fixed <ul style="list-style-type: none"> Battery status icon updates with changed battery level Staccato like switching connection off/on doesn't bother BLE handling NVM initialization logic LCD and backlight stay on at USB connection improved <ul style="list-style-type: none"> Setting maximum and minimum advertising interval to 152.5 ms Setting maximum and minimum fast connection intervals to 15 ms Setting maximum and minimum slow connection intervals to 195/210 ms Don't send duplicated smart card status Keep existing configuration parameters at firmware update; new ones will be added with their default values Known limitations: <ul style="list-style-type: none"> The firmware update might reset the configured settings In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2-fw-1.1.1-GOV.zip | airid2-fw-1.1.1-GOV.zip.sha2_256 |
| AirID 2 Firmware Government Edition | 1.1.0-GOV-GA | <ul style="list-style-type: none"> initial release of AirID 2 Government Edition Known limitations: <ul style="list-style-type: none"> In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2-fw-1.1.0-GOV.zip | airid2-fw-1.1.0-GOV.zip.sha2_256 |

AirID 2 Mini Business




[How do I update the AirID device firmware on Windows 10 and MacOS?](#)

| Description | Version | Release Notes | Classification | File | Checksum (SHA256) |
|--|----------|---|--------------------|--|---|
| AirID 2 Mini Firmware Business Edition | 1.3.2-GA | <p>✔ Fixed</p> <ul style="list-style-type: none"> Shut up USB IRQ noises with older AirID2 hardware revisions -> speed fixes <p>✚ Added</p> <ul style="list-style-type: none"> Disconnect after Bluetooth Pairing when there is no write to AirID service for 3s afterwards Added watchdog to switch off Bluetooth when Battery gets below 3.4V (-0%) to avoid SC failures for power consuming tasks, RSA Keypair generation or other heavy duty operations Added event logging capability for the last ~100 events to AirID2 firmware <ul style="list-style-type: none"> To get an insight view what happens in the BLE stack @ a disconnect, we gather some debug infos: <ul style="list-style-type: none"> Read last ble disconnect reason in debug menu Information about connection parameters New logging data struct for BLE stack events: <ul style="list-style-type: none"> size ~100 last events stop logging @ disconnect read data from new RPC command restart logging after read This feature is currently only available from the DEBUG menu of the AirID2 device and not exposed to any SDK / Driver | Recommended Update | airid-all-firmware-1.3.2.zip | airid-all-firmware-1.3.2.zip.sha2_256 |

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|--|----------|---|---|---|
| AirID 2 Mini Firmware Business Edition | 1.3.1-GA | Improved: <ul style="list-style-type: none"> added intelligent flasher "winusb-flash-device.exe" and "flash-airid.command" on MacOS added support for new bootloader signing keys | airid-all-firmwar e-1.3.1.zip | airid-all-firmware-1.3.1.zip.sha2_256 |

| | | | | |
|--|----------|---|---|--|
| AirID 2 Mini Firmware Business Edition | 1.3.0-GA | <p>Improved:</p> <ul style="list-style-type: none"> Support for new USB controller for AirID2 and AirID2 Mini (the same firmware works on both controllers) Low battery warnings are displayed | airid2mini-fw-1.3.0.zip | airid2mini-fw-1.3.0.zip.sha2_256 |
| AirID 2 Mini Firmware Business Edition | 1.2.1-GA | <p>Improved</p> <ul style="list-style-type: none"> NVM rework to make future firmware updates smooth BLE stack updated to v 2.12.3 Distance sensor presettings adjusted: near -70dB, mid -75dB, far -80dB If the device is in USB card reader mode, a new bluetooth connection will not make it leave the USB card reader mode Card support: disabled Clock stop support which seems to cause trouble with TikTok cards For AirID Mini: Linearization of battery level during charging and discharging <p>Note for firmware updates</p> <p> The device settings will be set to default for firmware updates from versions lower than v1.1.1. Please check your device settings after doing the firmware update</p> <p>Note for firmware downgrades</p> <p>If you want to downgrade to 1.1.1, first do a downgrade to 1.1.0, then upgrade to 1.1.1, otherwise NVM in 1.1.1 will not work even after factory reset. If re-updating, do a factory reset.</p> <p>Note for users with version 1.2.0-rc1/rc2</p> <p>For firmware updates from version 1.2.0-rc1/rc2, make sure the USB cable is not connected BEFORE the update process is started. In case the device is already connected via USB, replug the cable to enter the flashing mode.</p> | airid2mini-fw-1.2.1.zip | airid2mini-fw-1.2.1.zip.sha2_256 |
| AirID 2 Mini Firmware Business Edition | 1.1.1-GA | <p>Fixed</p> <ul style="list-style-type: none"> Battery status icon updates with changed battery level Staccato like switching connection off/on doesn't bother BLE handling NVM initialization logic Green LED switches off when Smartcard has been switched off Battery warning appears at 10% battery charge and below Send correct Product Name USB descriptor Send correct Model Number String in GATT characteristics <p>Improved</p> <ul style="list-style-type: none"> Setting maximum and minimum advertising interval to 152.5 ms Setting maximum and minimum fast connection intervals to 15 ms Setting maximum and minimum slow connection intervals to 195/210 ms Don't send duplicated smart card status Keep existing configuration parameters at firmware update; new ones will be added with their default values <p>Known limitations:</p> <ul style="list-style-type: none"> The firmware update might reset the configured settings In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2mini-fw-1.1.1.zip | airid2mini-fw-1.1.1.zip.sha2_256 |
| AirID 2 Mini Firmware Business Edition | 1.1.0-GA | <ul style="list-style-type: none"> initial release of AirID 2 Mini Business Edition <p>Known limitations:</p> <ul style="list-style-type: none"> In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2mini-fw-1.1.0.zip | airid2mini-fw-1.1.0.zip.sha2_256 |

AirID 2 Mini Government



[How do I update the AirID device firmware on Windows 10 and MacOS?](#)

| Description | Version | Release Notes | Classification | File | Checksum (SHA256) |
|-------------|---------|---------------|----------------|------|-------------------|
|-------------|---------|---------------|----------------|------|-------------------|

| | | | | | |
|--|----------|--|--------------------|------------------------------|---------------------------------------|
| AirID 2 Mini Firmware Business Edition | 1.3.2-GA | <ul style="list-style-type: none"> Fixed <ul style="list-style-type: none"> Shut up USB IRQ noises with older AirID2 hardware revisions -> speed fixes Added <ul style="list-style-type: none"> Disconnect after Bluetooth Pairing when there is no write to AirID service for 3s afterwards Added watchdog to switch off Bluetooth when Battery gets below 3,4V (-0%) to avoid SC failures for power consuming tasks, RSA Keypair generation or other heavy duty operations Added event logging capability for the last ~100 events to AirID2 firmware <ul style="list-style-type: none"> To get an insight view what happens in the BLE stack @ a disconnect, we gather some debug infos: <ul style="list-style-type: none"> Read last ble disconnect reason in debug menu Information about connection parameters New logging data struct for BLE stack events: <ul style="list-style-type: none"> size ~100 last events stop logging @ disconnect read data from new RPC command restart logging after read This feature is currently only available from the DEBUG menu of the AirID2 device and not exposed to any SDK / Driver | Recommended Update | airid-all-firmware-1.3.2.zip | airid-all-firmware-1.3.2.zip.sha2_256 |
|--|----------|--|--------------------|------------------------------|---------------------------------------|

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|--|--------------|--|------------------------------|---------------------------------------|
| AirID 2 Mini Firmware Government Edition | 1.3.1-GOV-GA | Improved: <ul style="list-style-type: none"> added intelligent flasher "winusb-flash-device.exe" and "flash-airid.command" on MacOS added support for new bootloader signing keys | airid-all-firmware-1.3.1.zip | airid-all-firmware-1.3.1.zip.sha2_256 |
| AirID 2 Mini Firmware Government Edition | 1.3.0-GOV-GA | Improved: <ul style="list-style-type: none"> Support for new USB controller for AirID2 and AirID2 Mini (the same firmware works on both controllers) Low battery warnings are displayed | airid2mini-fw-1.3.0-GOV.zip | airid2mini-fw-1.3.0-GOV.zip.sha2_256 |
| AirID 2 Mini Firmware Government Edition | 1.1.1-GOV-GA | fixed <ul style="list-style-type: none"> Battery status icon updates with changed battery level Staccato like switching connection off/on doesn't bother BLE handling NVM initialization logic Green LED switches off when Smartcard has been switched off Battery warning appears at 10% battery charge and below Send correct Product Name USB descriptor Send correct Model Number String in GATT characteristics <p>improved</p> <ul style="list-style-type: none"> Setting maximum and minimum advertising interval to 152.5 ms Setting maximum and minimum fast connection intervals to 15 ms Setting maximum and minimum slow connection intervals to 195/210 ms Don't send duplicated smart card status Keep existing configuration parameters at firmware update; new ones will be added with their default values <p>Known limitations:</p> <ul style="list-style-type: none"> The firmware update might reset the configured settings In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2mini-fw-1.1.1-GOV.zip | airid2mini-fw-1.1.1-GOV.zip.sha2_256 |
| AirID 2 Mini Firmware Government Edition | 1.1.0-GOV-GA | <ul style="list-style-type: none"> initial release of AirID 2 Mini Government Edition <p>Known limitations:</p> <ul style="list-style-type: none"> In the rare case that the BLE connection of the reader can not be switched off by the control element, please restart the reader. For users working with BLE and CCID (USB Card Reader > On) with multiple devices: If there is an active BLE connection and a new connection via CCID is started, the card access via BLE is blocked. Also the other way around: If there is an active CCID connection and a new connection via BLE is started, the card access via CCID is blocked. | airid2mini-fw-1.1.0-GOV.zip | airid2mini-fw-1.1.0-GOV.zip.sha2_256 |

AirID 1 Business



[How do I update the AirID device firmware on Windows 10 and MacOS?](#)

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-------------|---------|---------------|------|-------------------|
|-------------|---------|---------------|------|-------------------|

| | | | | |
|-----------------------------------|-------|---|--|---|
| AirID 1 Firmware Business Edition | 1.2.4 | <p>New or changed:</p> <ul style="list-style-type: none"> • Changed connection factory default to "ON/waiting" after Settings > Factory Reset • No splash screen after device reboot <p>Fixed issues:</p> <ul style="list-style-type: none"> • Display charging status correctly if USB Card Reader mode is disabled • Display correct device name after Settings > reset keys • AirID freezing after initial pairing / connection with Android fixed by watchdog enabling • Android stability improvements: <ul style="list-style-type: none"> • Stability improvements if connection interval is set too low, e.g. 7.5ms • No connection interval update on idle | AirID_FW_CC2540_v1.2.4.zip | AirID_FW_CC2540_v1.2.4.zip.sha2_256 |
|-----------------------------------|-------|---|--|---|

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-----------------------------------|---------|---|--|---|
| AirID 1 Firmware Business Edition | 1.2.2 | <p>Performance related changes:</p> <ul style="list-style-type: none"> • Adjustment of low battery limit to avoid problems due to low battery • Fix initial card state in USB reader mode on windows 7 • More error checks in case of connection loss • Connection interval handling improvements • Default signal strength to maximum <p>Please set signal strength to "maximum" to ensure best wireless AirID connection</p> | AirID_FW_CC2540_v1.2.2.zip | AirID_FW_CC2540_v1.2.2.zip.sha2_256 |
| AirID 1 Firmware Business Edition | 1.2.1 | <p>Security related changes:</p> <ul style="list-style-type: none"> • Improved protection for replay attacks <ul style="list-style-type: none"> • Improvement of encryption algorithm: using CCM instead of ECB • Improvement of Session Key management • Improved protocol downgrade protection <ul style="list-style-type: none"> • Implementation of „Force 256bit mode“ so that AirID cannot be forced down to communicate with AES 128bit encryption. Force 256bit mode is enabled per default <p>Performance related changes:</p> <ul style="list-style-type: none"> • Reduction of power consumption <ul style="list-style-type: none"> • Power down the smart card on out-of-coverage • Have a higher connection interval when there is no BLE traffic for some time • Correct rates in USB CCID descriptor • Improved Android compatibility (discovering of our GATT service) <p>Usability related changes:</p> <ul style="list-style-type: none"> • Smart card icon on AirID display blinks when the card is powered on • New setting menu item „USB card reader mode“ so that the USB cardreader mode can be enabled by default when USB is connected | AirID_FW_CC2540_v1.2.1.zip | AirID_FW_CC2540_v1.2.1.zip.sha2_256 |
| AirID 1 Firmware | 1.2.0 | <ul style="list-style-type: none"> • Set official vendor/product id for usb; • Removed highest signal strength level; • Fixed not showing name of the connected device when the card is out; • Fixed not clearing mobile device name on connection timeout; • Write default device name "Unknown Nr." after pairing and show it if device name not set; • Changed coverage adjusting text: first 10 seconds show RSSI value then 5 seconds show "Press to confirm" message and then again show RSSI value; • Extended coverage with presetting values: near, mid, far; • Fixed still showing coverage menu if device disconnected (now jumps to the start menu); • Added "back" buttons in the coverage menu. | AirID_FW_CC2540_v1.2.0.zip | AirID_FW_CC2540_v1.2.0.zip.sha2_256 |

AirID 1 Government



[How do I update the AirID device firmware on Windows 10 and MacOS?](#)

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-------------|---------|---------------|------|-------------------|
|-------------|---------|---------------|------|-------------------|

| | | | | |
|------------------------------------|-----------|--|--|---|
| AirID1 Firmware Government Edition | 1.3.4-GOV | <p>New or changed:</p> <ul style="list-style-type: none"> • Changed connection factory default to "ON/waiting" after Settings > Factory Reset • No splash screen after device reboot <p>Fixed issues:</p> <ul style="list-style-type: none"> • Display charging status correctly if USB Card Reader mode is disabled • Display correct device name after Settings >reset keys • AirID freezing after initial pairing / connection with Android fixed by watchdog enabling • Android stability improvements: <ul style="list-style-type: none"> • Stability improvements if connection interval is set too low, e.g. 7.5ms • No connection interval update on idle | AirID_FW_CC2540_v1.3.4-GOV.zip | AirID_FW_CC2540_v1.3.4-GOV.zip.sha2_256 |
|------------------------------------|-----------|--|--|---|

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|------------------------------------|-----------|---|--|---|
| AirID1 Firmware Government Edition | 1.3.1-GOV | <p>Performance related changes:</p> <ul style="list-style-type: none"> • Adjustment of low battery limit to avoid problems due to low battery • Fix initial card state in USB reader mode on windows 7 • More error checks in case of connection loss • Connection interval handling improvements • Default signal strength to maximum <p>Please set signal strength to "maximum" to ensure best wireless AirID connection</p> | AirID_FW_CC2540_v1.3.1-GOV.zip | AirID_FW_CC2540_v1.3.1-GOV.zip.sha2_256 |

AirID Bridge



[How do I update the AirID BRIDGE firmware on Windows 10, Windows 7 and MacOS?](#)

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-----------------------|---------|--|---|--|
| AirID Bridge Firmware | 1.0.2 | <p>fixed:</p> <ul style="list-style-type: none"> • sleep related problems | onekey-bridge-1.0.2-prodkey.zip | onekey-bridge-1.0.2-prodkey.zip.sha2_256 |

Prior versions

| Description | Version | Release Notes | File | Checksum (SHA256) |
|-----------------------|---------|---|---|--|
| AirID Bridge Firmware | 1.0.1 | <p>fixed:</p> <ul style="list-style-type: none"> • CCM tag check • problems getting ExtProp descriptor | onekey-bridge-1.0.1-prodkey.zip | onekey-bridge-1.0.1-prodkey.zip.sha2_256 |
| AirID Bridge Firmware | 1.0.0 | <ul style="list-style-type: none"> • USB command GetDeviceName (0x13) returns only 1 NULL termination • minor bug fixes | onekey-bridge-1.0.0-prodkey.zip | onekey-bridge-1.0.0-prodkey.zip.sha2_256 |