

UNITE

FIRMWARE/SOFTWARE

RELEASE NOTES



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IMPORTANT INFORMATION

General Information For Mobile Unite Devices

Maintenance when not in use

Please refer to our operating instructions in the Unite manuals, as well as the following supplementary instructions to ensure optimum operation of your Unite system even after a longer period of non-use:

1. If the mobile Unite devices (TP, RP, RP-T, TH) are not used for several months, they should ideally be stored with a battery level of approx. 50 percent. This is to prevent a deep discharge and to protect the battery to maximum. The battery status is displayed on the device itself.
2. If a deep discharge has occurred and the device can no longer be switched on permanently, the battery must be charged for at least 30 minutes via the USB socket with a commercially available USB charger. After that, the device can be normally switched on and recharged in the charger.
3. Please update all Unite devices to the latest firmware.
4. The products mentioned must not be permanently charged for more than two days. If the devices are not used directly afterwards, please switch off the charger.
5. Please also refer to the battery safety instructions and specified temperature ranges in the respective operating instructions of the mobile devices.

Deep discharge:

If devices with a firmware older than V0097 are switched on again immediately after the devices have switched themselves off due to a low battery level, the batteries can be deeply discharged. If this happens, the device cannot be switched on again. In this case, please do not charge the unit immediately in a Unite charger. First connect the affected device to a USB power supply for a few minutes so that the device can charge slowly. Then disconnect the USB cable and try turning on the device to check it. If the device can be turned on, you can now continue charging in a Unite charger. If the unit still won't turn on, continue charging via USB and try turning it on again a few minutes later.

Permanent storage of mobile devices

If mobile devices are not used for several weeks, store them in switched-off chargers or separately to avoid reducing battery life.

Please switch off the chargers and any mobile devices that are then switched on. Please also observe the battery safety instructions and temperature ranges in the respective manuals of the portable devices for longer storage.

Important Update Information For Mobile Unite Devices With Firmware Older Than V0118

After updating the mobile devices to firmware V0118 or higher, an empty battery symbol is displayed.

After updating to firmware version V0118, an empty battery symbol may be displayed after switching on the device. In this case the device must be charged once to 100%. The battery display is re-learned after the update in order to obtain a precise battery capacity display.

Important Update Information For Mobile Unite Devices With Firmware Older Than V0062

When updating the firmware of Unite transmitters and receivers with a firmware version older than V0062 to a later version, a manual reset of the factory settings must be performed with each Unite transmitter / receiver.

Therefore, check the firmware version of your devices in the menu before updating:
System/Information/Device

If your installed firmware version is older than V0062, after the firmware update via the Unite Manager software, please proceed as described in the following:

- Press and hold the Menu/OK button for approx. 2 seconds to enter the menu.
- Use the arrow buttons to navigate to the "System" menu item and confirm with OK.
- Use the arrow buttons to navigate to the "Reset" submenu and confirm with OK.
- Confirm the "Factory Default" entry with the OK button.
- Then restart the device to complete the reset.

From version V0062 or higher, this manual reset is no longer required.

PREPARING THE DEVICES

In order to update the Unite digital wireless communication system, a DHCP-enabled router and suitable network cables are required.

Connect the charger to the router, not directly to a PC. The router is used to assign an IPv4 address to the device, with which it can be accessed with the Unite Manager software. If you do not have a router, the IP address must be assigned via a virtual DHCP server. For information on assigning a (static) IP address, please refer to the user manual of the Unite Manager software.

1. Download the Unite Manager software at <https://www.televic.com/en/conference/unite-updates>
2. Install the Unite Manager software on your PC.
3. Follow the instructions for updating the firmware in the Unite Manager software manual.

COMPATIBILITY & RELEASE HISTORY

Please note that the simultaneous operation of mobile devices with different firmware versions is not supported. Also make sure that all your Unite components are compatible with each other. Updates of the firmware versions can be carried out easily and conveniently with the free Unite Manager PC software.

Date	Charger Version	AP4 Version	Portable Devices Version	Unite Manager Version
2025-10-10	V0029 for CC & CR V0032 for CDS & CDD	V0041	V0184	V2.0.0.0 or higher
2023-08-04	V0029 for CC & CR V0032 for CDS & CDD	V0041	V0181	V2.0.0.0 or higher
2021-07-19	V0029 for CC & CR V0032 for CDS & CDD	V0041	V00144	V1.6.0.0 or higher
2020-08-05	V0029 for CC & CR V0032 for CDS & CDD	V0040	V0118	V1.5.0.0 or higher
2020-01-14	V0026	V0033	V0097	V1.4.0.1 or higher
2019-12-20	V0022	V0018	V0082	V1.3.0.0 or higher
2019-03-04	V0015	-	V0062.03	V1.2.0.0
2018-10-23	V0012	-	V0062	V1.1.0.0
2018-08-13	-	-	V0047	V1.0.0.0



The updates are not backwards compatible. This means that older firmware versions cannot be installed. Furthermore, the new version does not work together with older versions. Please also note that under certain circumstances all saved settings in the devices may be lost when updating to a newer version.

VERSION INFORMATION

Unite Charger

Version 0029 (2020-08-05)

REQUIREMENTS

- Minimum firmware for portable devices: 0118
- Minimum Unite AP4 firmware 0040
- Minimum Unite Manager PC software 1.5.0.0



The Unite Cockpit firmware version 0026 is not compatible with previous firmware versions for the Unite Cockpit chargers and Unite AP4. This means that all devices within a system including the Unite Manager PC software must be updated.

- The Unite AP4 firmware 0040 must be used in conjunction with the firmware version 0118 for portable devices or higher and the 0029 Unite Cockpit charger firmware or higher.
- The Unite Manager 1.5.0.0 or higher is required to configure the Unite AP4 and to adjust the general settings in the charger for the portable devices.

FIXED BUGS

- Occasionally, after switching on the charging case, the fans were operated at maximum power for a short time.
- When many mobile devices were plugged into chargers at the same time, it was possible that they were not recognized correctly, although this was indicated differently by the respective status LED. The affected devices were not displayed in the Unite Manager PC software, nor were settings such as pairing information or general settings transferred correctly.
- Resetting a charging device now also resets the static IP address to the factory settings.
- The button lock settings stored on the charging devices (Unite Manager/General Settings) are now always reliably transferred to the portable devices when they are inserted into chargers.
- In some cases, the external USB connection was not available after the chargers booted. In these cases, the charger is now automatically rebooted.
- If a new firmware update was uploaded to the charger, it could happen that the firmware update was not saved in the charger after a subsequent restart.
- When updating portable devices with firmware versions older than V0082, the General Setting Talkback "Request" could prevent the update process from being completed. Please set the Talkback setting to On or Off before updating devices with versions prior to V0082 with chargers prior to V0029.
- In the past, when using charger firmware up to V0022, it could happen that when trying to update firmware on portable devices, individual devices were not initialized. The update process then had to be started by unplugging the devices and plugging them into the charging slots again.

KNOW ISSUES

- The status LED of the charger will light up green before the charger's boot process is completely finished. If the charger is read out too quickly by the Unite Manager PC software after booting, the number of slots and/or other data is not complete.
- Portable devices that are connected via the USB socket of the charger are only recognized by the charging device when switched on, i.e. only then are settings transferred or firmware

updates carried out. Otherwise the portable device can only be charged but not configured. To ensure that the portable device can be charged efficiently, manually switch them off and on again after the configuration or update.

- On cockpit chargers with a production date (FD Code) prior to 2720 (WWJJ), it is possible that Unite Manager PC software will display hardware version 0.0, even though the label shows a different hardware version. The function of the device is not affected in any way. In case of submitting a service request, please state the hardware version of the type label.

Version 0026 (2019-12-20)

REQUIREMENTS

- Minimum firmware for portable devices: 0097
- Minimum Unite AP4 firmware 0033
- Minimum Unite Manager PC software 1.4.0.0



The Unite Cockpit firmware version 0026 is not compatible with previous firmware versions for the Unite Cockpit chargers and Unite AP4. This means that all devices within a system including the Unite Manager PC software must be updated.

- The Unite AP4 firmware 0031 must be used in conjunction with the firmware version 0097 for portable devices or higher and the 0026 Unite Cockpit charger firmware or higher.
- The Unite Manager 1.4.0.0 or higher is required to configure the Unite AP4 and to adjust the general settings in the charger for the portable devices.

NEW FEATURES

Open group ID range extended:

- When using the open group ID 256, all Unite devices use the same audio encryption key, which is stored at the factory. In this way devices can connect to each other via the dynamic channel search without an individual pairing process. With the version 0026 the functionality of the open group ID range has been extended to the ID range 150 to 256. Therefore, only the ID range from 1 to 149 can be used for private audio encryption.
- The reboot of the Cockpit chargers with the Unite Manager PC software is now supported.
- Support of these new products: Unite TH & CM-4P2H charging module.
- Use of the internal USB socket for charging and pairing portable devices.
- Reading the hardware version of the Unite AP4 and the Cockpit chargers with the Unite Manager PC software is now supported.

FIXED BUGS

- The general settings were not always correctly applied to the Cockpit chargers and subsequently to the mobile devices. This mainly referred to the button lock settings.
- Occasionally, the devices inserted into the charger or connected to the USB socket were not recognized by the Unite Manager PC software.
- Sometimes the firmware for portable devices transferred to the charger was displayed too early in the Unite Manager PC software, although the firmware update had not yet been completely transferred.
- Now the reset function of the charger also resets the static IP settings to the factory default of 192.168.1.101 and does not only re-enable DHCP.
- In rare cases it happened that the charger is in a permanent boot loop after an update. This was indicated by a permanent red light of the status LED for several minutes. In addition, the fan can also run at full power.
- When the IP reset button was pressed, the static IP address was not reset to the factory setting of 192.168.1.101

KNOWN ISSUES

- The status LED of the charger will light up green before the charger's boot process is completely finished. If the charger is read out too quickly by the Unite Manager PC software after booting, the number of slots may not show the correct value.
- Portable devices that are connected via the USB socket of the charger are only recognized by the charging device when switched on, i.e. only then are settings transferred or firmware updates carried out. Otherwise the portable device can only be charged but not configured. To ensure that the portable device can be charged efficiently, switch it off again manually after configuration or update.
- On cockpit chargers with a production date (FD Code) prior to 2720 (WWJJ), it is possible that Unite Manager PC software will display hardware version 0.0, even though the label shows a different hardware version. The function of the device is not affected in any way. In case of submitting a service request, please state the hardware version of the type label.
- When using charger firmware up to V0022, it could happen that when trying to update firmware on portable devices, individual devices were not initialized. The update process then had to be started by unplugging the devices and plugging them into the charging slots again.

Version 0022 (2019-07-11)

REQUIREMENTS

- The AP4 firmware 0018 must be used in conjunction with the firmware version 0082 or higher for portable devices and the Cockpit Charger firmware 0022 or higher.
- Unite Manager 1.3.0.0 or higher is required to configure the Unite AP4 and set the general settings in the charger for the portable devices.

FIXED BUGS

- The LAN port for configuration was restarted when a network packet was not received within ten seconds. As a consequence, the device could not be reached via this interface any longer. This is no longer the case.
- If the IP setting is changed between DHCP and static IP address, the device cannot be reached via LAN connection for a short time. Please wait approx. 30 seconds before using the Unite Manager PC software to query the device again via "Discover Devices".
- The device name can now be changed via the Unite Manager PC-Software.
- The status LED on the charger will now illuminate red constantly during the boot and service mode.
- The IP reset button on the charger now resets the network configuration to DHCP.
- A problem has been fixed where the charger both had a DHCP and a static IP address.
- If the pairing information is stored, the status LED on the charger should illuminate yellow. But after restarting the charger, the Status-LED illuminated green by mistake.

KNOWN ISSUES

- In rare cases it can happen that the charger is in a permanent boot loop after an update. This is indicated by a permanent red light of the status LED for several minutes. In addition, the fan can also run at full power. Wait at least 30 seconds and then switch off the charger. After switching on, the device should be ready for use again after approx. three minutes (Status-LED will illuminate green).
- If a device is disconnected from an existing DHCP network and connected to another DHCP network, the device must be restarted, otherwise the device will not obtain a new network address via DHCP.
- When the IP reset button is pressed, the static IP address is not reset to the factory setting. This can be changed manually via Unite Manager PC software.

Version 0015 (2019-03-04)

KNOWN ISSUES

- If the pairing information is available, the status indicator should illuminate yellow. However, it will turn green when turned on.

Unite Transmitter / Receiver

Version 0184 (2025-10-10)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum AP4 firmware 0041
- Minimum Unite Manager PC software 2.0.0.0

IMPROVEMENTS

- Support added for new Unite BP battery pack for pocket devices
- Improved fuel gauge settings to achieve a more linear battery capacity estimation (both for existing and new battery pack) for pocket devices; please perform one charge cycle to 100% on each updated device to achieve an initial calibration
- Added profiles of old and new battery pack for the "Reset battery" option in the menu System -> Reset
- Added a new entry in the menu System -> Information -> Device -> RSSI to show current reception strength of a receiver to the connected transmitter

FIXED BUGS

- In some cases it was possible that the reported battery capacity dropped quickly down to 8%. This happened with aged battery packs. When this occurs, the device showed longer a battery capacity of 0% before it turned off. This bug has been fixed.
- After switching on, the device displayed a charging flash in the battery symbol. This, however, disappeared shortly thereafter. This bug has been fixed.

KNOWN ISSUES

Pairing:

- After a pairing has been performed or pairing information has been updated, mobile devices in the charger will indicate this with a yellow status LED for ten seconds. If a device is removed during this period and the auto switch-on feature is enabled, the device will automatically power off. In such instances, please manually power on again the device. Otherwise, please wait until the status LED turns back to its previous state.

Charging:

- The status LED of charged devices is flashing green, although they display a charging status of 100%. Please wait until the status LED of the devices is permanently illuminated. An additional calibration of the battery display is performed.
- The status LED of fully charged devices (a battery level of 100% is displayed) is flashing green again after:
 - pairing has been carried out in the charger.
 - the device was only briefly removed from the charger.
 - a reset has been carried out via the Unite Manager PC software.
 - the device has been restarted due to a change of settings via the Unite Manager PC software.

The status LED is illuminated permanently green again after 5 minutes. A battery check is carried out.

- After updating to V0144, the device displays:
 - no longer a battery symbol.

- only 0% despite longer charging.
 - during operation jumping values between 0% and higher.
- First of all, select "Reset battery" via the menu "System" -> "Reset" and charge the device again for at least four hours in the charger. Should the error occur again with the same device, please contact the customer service known to you.
- The status LED of one or more devices in the charger is quickly flashing red: the device has detected a charging error. Please remove the device and switch it on briefly. Please check whether the battery indicator shows a charge of >0%. Insert the device in question into the charger again for at least four hours. Should the error occur again with the same device, please contact the customer service known to you.
 - Due to an adjustment in the charging algorithm and an optimization of the charging curve, a battery capacity of 100% is now displayed for a longer period of time. Only after some time the capacity will decrease linearly.
 - Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.
 - Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be turned off when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
 - Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.

User Interface:

- If during operation as a soundcard via the USB port, the audio quality is switched between HD and SD, the PC connection is terminated. In this case, please restart the device or re-plug the USB connection.
- In rare cases, after manually restarting a portable device, the displayed battery capacity may change abruptly compared to the value displayed before the restart. However, the general operating time is not affected by this. After the device has been fully charged, the capacity is displayed correctly again.

Bluetooth®:

- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.
- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

Other:

- When using a USB audio connection of a TP/TH in the master mode with a PC or Mac, the USB audio connection will not be established if the TP was not switched on before the USB was connected. In this case, disconnect the USB connection briefly and reconnect the switched-on

TP via USB. In order to avoid this error, please switch on the TP/TH in the master mode before using the USB audio connection.

- When using a USB audio connection of a TP/TH in the sub-master mode or an RP-T with talkback with a PC or Mac, it may very rarely happen that the USB audio connection generates noise if the connection to a master TP/TH is lost due to e.g. a great distance between the devices. In this case, briefly disconnect and reconnect the USB connection of the TP/TH in the sub-master mode or briefly interrupt the talkback connection of an RP-T by pressing the "Talk" button twice. To avoid this error, please make sure that there is a constant connection to the master TP/TH when transmitting USB audio via this path.
- In rare cases it is possible that short audio interference may occur, if transmitters (Master devices) and/or mobile receivers are disturbed by other DECT devices in the immediate vicinity or if the Unite receivers are at the reception limit.

Version 0181 (2023-08-04)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum AP4 firmware 0041
- Minimum Unite Manager PC software 2.0.0.0

IMPROVEMENTS

- Startup boot screen text is changed from Beyerdynamic to Televic.
- Support for improved charging of new TH hardware versions 6.10 and above.

KNOWN ISSUES

Battery capacity estimation:

- In some cases it is possible that the reported battery capacity drops quickly down to 8%. This can happen with aged battery packs. When this occurs, the device shows longer a battery capacity of 0% before it turns off.

Pairing:

- After a pairing has been performed or pairing information has been updated, mobile devices in the charger will indicate this with a yellow status LED for ten seconds. If a device is removed during this period and the auto switch-on feature is enabled, the device will automatically power off. In such instances, please manually power on again the device. Otherwise, please wait until the status LED turns back to its previous state.

Charging:

- The status LED of charged devices is flashing green, although they display a charging status of 100%. Please wait until the status LED of the devices is permanently illuminated. An additional calibration of the battery display is performed.
- The status LED of fully charged devices (a battery level of 100% is displayed) is flashing green again after:
 - pairing has been carried out in the charger.
 - the device was only briefly removed from the charger.
 - a reset has been carried out via the Unite Manager PC software.
 - the device has been restarted due to a change of settings via the Unite Manager PC software.

The status LED is illuminated permanently green again after 5 minutes. A battery check is carried out.

- After updating to V0144, the device displays:
 - no longer a battery symbol.
 - only 0% despite longer charging.
 - during operation jumping values between 0% and higher.

First of all, select "Reset battery" via the menu "System" -> "Reset" and charge the device again for at least four hours in the charger. Should the error occur again with the same device, please contact the customer service known to you.

- The status LED of one or more devices in the charger is quickly flashing red: the device has detected a charging error. Please remove the device and switch it on briefly. Please check whether the battery indicator shows a charge of >0%. Insert the device in question into the charger again for at least four hours. Should the error occur again with the same device, please contact the customer service known to you.
- Due to an adjustment in the charging algorithm and an optimization of the charging curve, a battery capacity of 100% is now displayed for a longer period of time. Only after some time the capacity will decrease linearly.
- After switching on, the device displays a charging flash in the battery symbol. This, however, will disappear shortly thereafter.
- Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.

- Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be turned off when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
- Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.

User Interface:

- If during operation as a soundcard via the USB port, the audio quality is switched between HD and SD, the PC connection is terminated. In this case, please restart the device or re-plug the USB connection.
- In rare cases, after manually restarting a portable device, the displayed battery capacity may change abruptly compared to the value displayed before the restart. However, the general operating time is not affected by this. After the device has been fully charged, the capacity is displayed correctly again.

Bluetooth®:

- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.
- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

Other:

- When using a USB audio connection of a TP/TH in the master mode with a PC or Mac, the USB audio connection will not be established if the TP was not switched on before the USB was connected. In this case, disconnect the USB connection briefly and reconnect the switched-on TP via USB. In order to avoid this error, please switch on the TP/TH in the master mode before using the USB audio connection.
- When using a USB audio connection of a TP/TH in the sub-master mode or an RP-T with talkback with a PC or Mac, it may very rarely happen that the USB audio connection generates noise if the connection to a master TP/TH is lost due to e.g. a great distance between the devices. In this case, briefly disconnect and reconnect the USB connection of the TP/TH in the sub-master mode or briefly interrupt the talkback connection of an RP-T by pressing the "Talk" button twice. To avoid this error, please make sure that there is a constant connection to the master TP/TH when transmitting USB audio via this path.
- In rare cases it is possible that short audio interference may occur, if transmitters (Master devices) and/or mobile receivers are disturbed by other DECT devices in the immediate vicinity or if the Unite receivers are at the reception limit.

Version 0144 (2021-07-19)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum AP4 firmware 0041
- Minimum Unite Manager PC software 1.6.0.0

NEW FUNCTIONS

- When a device is connected via USB, a lightning symbol is displayed in the battery symbol to indicate an active power supply. When needed, the device performs trickle charging.

FIXED BUGS

- If a TP or TH is used in the sub-master mode with a Bluetooth headset and the connection to a master device is lost, no audio could be played back or recorded via the Bluetooth headset afterwards. This bug has been fixed.
- If an RP-T is connected to a PC via the USB interface and the wireless connection to a master device is lost, audio could no longer be played back or recorded via the USB interface afterwards. This bug has been fixed.
- With the update to V0118 it could happen that devices displayed an empty battery symbol even after a successful "teaching" of the battery. This bug has been fixed.

KNOWN ISSUES

Battery capacity estimation:

- In some cases it is possible that the reported battery capacity drops quickly down to 8%. This can happen with aged battery packs. When this occurs, the device shows longer a battery capacity of 0% before it turns off.

Charging:

- The status LED of charged devices is flashing green, although they display a charging status of 100%. Please wait until the status LED of the devices is permanently illuminated. An additional calibration of the battery display is performed.
- The status LED of fully charged devices (a battery level of 100% is displayed) is flashing green again after:
 - pairing has been carried out in the charger.
 - the device was only briefly removed from the charger.
 - a reset has been carried out via the Unite Manager PC software.
 - the device has been restarted due to a change of settings via the Unite Manager PC software.

The status LED is illuminated permanently green again after 5 minutes. A battery check is carried out.

- After updating to V0144, the device displays:
 - no longer a battery symbol.
 - only 0% despite longer charging.
 - during operation jumping values between 0% and higher.

First of all, select "Reset battery" via the menu "System" -> "Reset" and charge the device again for at least four hours in the charger. Should the error occur again with the same device, please contact the customer service known to you.

- The status LED of one or more devices in the charger is quickly flashing red: the device has detected a charging error. Please remove the device and switch it on briefly. Please check whether the battery indicator shows a charge of >0%. Insert the device in question into the charger again for at least four hours. Should the error occur again with the same device, please contact the customer service known to you.
- Due to an adjustment in the charging algorithm and an optimization of the charging curve, a battery capacity of 100% is now displayed for a longer period of time. Only after some time the capacity will decrease linearly.

- After switching on, the device displays a charging flash in the battery symbol. This, however, will disappear shortly thereafter.
- Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.
 - Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be turned off when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
 - Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.

User Interface:

- If during operation as a soundcard via the USB port, the audio quality is switched between HD and SD, the PC connection is terminated. In this case, please restart the device or re-plug the USB connection.
- In rare cases, after manually restarting a portable device, the displayed battery capacity may change abruptly compared to the value displayed before the restart. However, the general operating time is not affected by this. After the device has been fully charged, the capacity is displayed correctly again.

Bluetooth®:

- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.
- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

Other:

- When using a USB audio connection of a TP/TH in the master mode with a PC or Mac, the USB audio connection will not be established if the TP was not switched on before the USB was connected. In this case, disconnect the USB connection briefly and reconnect the switched-on TP via USB. In order to avoid this error, please switch on the TP/TH in the master mode before using the USB audio connection.
- When using a USB audio connection of a TP/TH in the sub-master mode or an RP-T with talkback with a PC or Mac, it may very rarely happen that the USB audio connection generates noise if the connection to a master TP/TH is lost due to e.g. a great distance between the devices. In this case, briefly disconnect and reconnect the USB connection of the TP/TH in the sub-master mode or briefly interrupt the talkback connection of an RP-T by pressing the "Talk" button twice. To avoid this error, please make sure that there is a constant connection to the master TP/TH when transmitting USB audio via this path.
- In rare cases it is possible that short audio interference may occur, if transmitters (Master devices) and/or mobile receivers are disturbed by other DECT devices in the immediate vicinity or if the Unite receivers are at the reception limit.

Version 0118 (2020-08-05)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum AP4 firmware 0040
- Minimum Unite Manager PC software 1.5.0.0

FIXED BUGS

- In some cases it was possible that portable devices lost their connection to an AP4 in broadcast configuration after a long period of operation, although the channel name was still displayed on the portable device.
- In rare cases, a Battery low message was shown for some time after turning the device on, despite the battery being sufficiently charged above 15%.
- Rarely, devices showed the message "Connecting" despite audio being present.
- After switching on portable receivers in AP4 broadcast operation along with static channel list, some devices occasionally did not display a channel list anymore.
- Rarely, the display was not correctly refreshed, which lead to its contents being moved to the wrong position or only partially updated.
- There were improvements made to the battery capacity estimation, so that the percentage values are now closer to the actual charging status of the battery. For this to take effect, after updating to V0118 the device needs to be fully charged (until the LED is not blinking anymore) and subsequently discharged below 7%. In order to fully discharge receivers, either deactivate the General Setting "Auto-Power-Off" or ensure an ongoing connection to a Master device, which can be run indefinitely when powered via USB.
- A new menu item "Reset Battery" is now available to reset the capacity estimation. This is only to be used when the battery is replaced by service personnel.
- If the Power/Menu/OK button on a TP Master device was pressed in Talkback request mode while a key lock was set for this button and an incoming Talkback request from an RP-T device was displayed, this Talkback request message disappeared from the TP and could no longer be answered. As a result, the talkback request from the RP-T device could not be accepted or rejected and remained active until it was cancelled from the RP-T.
- In rare cases it could happen that the battery estimation of the previous firmware version did not work correctly and had to be reset. In this case, after updating to V0118, an empty battery symbol is displayed on the affected device and the device must be charged to 100% once to correctly display the remaining capacity.

KNOWN ISSUES

Battery capacity estimation:

- In some cases it is possible that the reported battery capacity drops quickly down to 8%. This can happen with aged battery packs. When this occurs, the device shows longer a battery capacity of 0% before it turns off.

Charging:

- Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.
 - Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be turned off when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
 - Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.

User Interface:

- After updating to firmware version V0118, an empty battery symbol may be displayed after switching on the device. In this case the device must be charged once to 100%. The battery display is re-learned after the update in order to re-enable the battery capacity display.
- If during operation as a soundcard via the USB port, the audio quality is switched between HD and SD, the PC connection is terminated. In this case, please restart the device or re-plug the USB connection.
- In rare cases, after manually restarting a portable device, the displayed battery capacity may change abruptly compared to the value displayed before the restart. However, the general operating time is not affected by this. After the device has been fully charged, the capacity is displayed correctly again.

Bluetooth®:

- When using a Bluetooth® headset with an Unite TP or TH in sub-master configuration, the Bluetooth® audio connection to the headset will be interrupted if you lose the DECT connection to a Unite Master device (the display will show "NO RF"). In this case, please restart the affected Unite TP or TH once it is back in the reception range of the master device.
- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.
- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

Other:

- When using a USB Audio connection to a PC / Smartphone from a receiving device, the USB connection will be interrupted if you lose the DECT connection to a Unite Master device (the display will show "NO RF"). In this case, please restart the affected device once it is back in the reception range of the master device.
- In rare cases it is possible that short audio interference may occur, if transmitters (Master devices) and/or mobile receivers are disturbed by other DECT devices in the immediate vicinity or if the Unite receivers are at the reception limit.

Version 0097 (2019-12-19)



The firmware updates are not backwards compatible. This means that old devices within the system and the Unite Manager PC Software must also be updated.

REQUIREMENTS

- Minimum Cockpit Charger firmware 0026
- Minimum AP4 firmware 0033
- Minimum Unite Manager PC software 1.4.0.0

NEW FEATURES FOR PORTABLE DEVICES

The new firmware update – a real upgrade for the Unite system.

Request-to-Talk function:

- Together with the clear function from the last update (0082), a request-to-talk function now makes portable discussions possible. The guide/master can control the conversation by assigning or deleting all open microphones.
- The request-to-talk mode can be activated directly in the talkback menu of the Unite TP/TH or using the function button. For this, press and hold the function button (downwards on the TP, towards the right on the TH). In addition to turning the talkback function on and off, there is now also a "Request" option. If a RP-T device requests to use the microphone by pressing the talkback button, for example to ask a question, the microphone is not automatically activated but instead the master device (TP/TH) can accept or reject the request using the function button.
- This request function for portable devices is also audibly signaled to users.

Monitoring with Sidetone:

- Unite now has a new monitoring function called "Sidetone". It allows the user to hear their own voice through the headphones. This function is particularly beneficial to people who are hard of hearing and have a cochlear implant. For example, this function is useful in loud environments because the speaker can hear what they are saying and therefore have more control over their voice. The volume settings for Sidetone can be found in the menu Audio/Volume/Sidetone.

Changes to the ALC settings:

- The parameters of the "ALC" DSP function have been optimized and renamed "Far" and "Near". "Far" indicates a further distance between the microphone and the speaker's mouth; "Near" should be set if the microphone is closer to the speaker's mouth. This means that in the "Far" setting the ALC algorithm starts working on quieter signals, while in the "Near" setting, the automatic control range is somewhat smaller.

Microphone overload prevention:

- The improved HD mode now prevents the signal being overloaded when someone speaks too loudly into the microphone.

Factory setting for the automatic detection of the microphone source:

- Since the introduction of the version 0082 (June 26th, 2019), the Unite TP bodypack transmitters and Unite RP-T bodypack receivers with Talkback function can be equipped with an automatic microphone source detection function. The "Auto" setting in the "Audio/Microphone" menu is now used as a factory setting for the Unite TP, RP-T and TH devices in the sub-master mode.

New "AP4 Mic" sub-master mode:

- With this new mode a Unite TP/TH can be used as a wireless microphone in combination with a Unite AP4 in Full Duplex operation. The configuration of the portable device can be found in the "System/Device Mode" menu. The connection to one channel of a Unite AP4 in the Full Duplex mode is done either via the dynamic channel search or by pairing via the Unite Manager PC software.

Flexible connection of receivers to the Unite TP/TH or Unite AP4:

- From now on it is possible that the receivers can flexibly connect to or change between the Unite TP/TH and Unite AP4 (broadcast operation) master. Previously, the user had to choose one of the two device types (TP/TH or AP4). By using an open group ID and scanning the DECT environment, the receivers can now decide which master device they want to connect to.

FIXED BUGS

- When using the analogue line input of the Unite TP with a high attenuation level, high frequency noise occurred.
- The internal microphone of the Unite TP was not automatically reactivated when the connection to a Bluetooth® headset was deactivated.

Charging:

- Occasionally, portable devices did not immediately display their charging status, it took a few seconds until the status was displayed.
- If portable devices were charged via USB and have been switched off after plugging in the USB cable, the display did not switch off and permanently showed the message "Power Off". In addition, the charging status was not indicated by a status LED. Only when the USB cable has been disconnected the device shut down completely.

User Interface:

- In rare cases, portable receivers connected to an AP4 in broadcast mode displayed "NO RF" at the limit of the reception range even though the audio signal was still received.
- In very rare cases it happened that the content of the display was rotated or mirrored on portable devices.
- With the automatic selection of the microphone source, a query appears as soon as a headphone or a headset is connected to the 3.5 mm jack socket. After confirming the query, you will return to the main screen. If you opened the menu, you were mistakenly starting in the "Audio/Microphone" submenu. This is now fixed.
- When switching the audio mode from HD to SD or vice versa, the change was not applied until you exit the menu and returned to the main screen.

Other:

- The volume of the sidetone was too low. Now it has been fixed.

KNOWN ISSUES

- In rare cases it is possible that short audio interference may occur, if transmitters (Master devices) and/or mobile receivers are disturbed by other DECT devices in the immediate vicinity or if the Unite receivers are at the reception limit.
- On rare cases it is possible that a mobile device (transmitter or receiver) displays the "Connecting..." state, but still plays the audio signal of the channel previously selected. If necessary, restart the device.
- Occasionally, when starting a portable device, the warning "Battery Low" may appear even though the device has been charged. Please restart the device.

Battery capacity estimation:

- In some cases it is possible that the reported battery capacity drops quickly down to 8%. This can happen with aged battery packs. When this occurs, the device shows longer a battery capacity of 0% before it turns off.

Charging of Unite TP, RP-T and RP:

- Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.
 - Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be turned off when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
 - Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.

Bluetooth®:

- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP

terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.

- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

Version 0082 (2019-07-11)



Important!

- With the new version 0082 all settings will be reset and lost! Please make a note of your settings before starting the update so that you can restore them manually after the update if necessary.
- All previously saved pairing information will also be deleted and reset to factory settings. If you are using one or more different groups with individual group IDs (not equal to 256), perform pairings again to form groups.
- The version 0082 is not compatible with previous firmware versions. Make sure that you update all portable devices to the latest version. Simultaneous operation of portable devices with different firmware versions is not supported.

REQUIREMENTS

- The AP4 firmware 0018 must be used in conjunction with the firmware version 0082 or higher for portable devices and the Cockpit Charger firmware 0022 or higher.
- Unite Manager 1.3.0.0 or higher is required to configure the AP4 and set the general settings in the charger for the portable devices.

NEW FEATURES FOR PORTABLE DEVICES

The new firmware update – a real upgrade for the Unite system!

Talkback function can be switched on/off

- The talkback function can be activated/deactivated on the Unite TP via remote control. Press and hold the upper function button on the Unite TP, then select the desired option Talkback ON or OFF.

Clear function:

- You can turn off all of the active microphones centrally from the transmitter (Master) when using talkback by using the clear function. To do this, press the function button down on the Unite TP and then confirm the prompt with Yes or No.

Number of open microphones adjustable:

- The Unite TP bodypack transmitter can be used to determine the number of microphones that can be turned on at the same time in one group (1 or 2, in addition to your own microphone). You will find this setting in the menu of the Unite TP: Talkback/NOM Talkback.

Visualization of the microphone source in the main display:

- In the display of the portable devices, the microphone source is visualized. From now on each microphone source (Headset, Mini-XLR, Internal and Auto) is displayed by its own icon on the main screen.

Automatic recognition of sound source:

- Automatic recognition of the microphone source can now be activated on Unite TP bodypack transmitters and Unite RP-T receivers with talkback function. The device then automatically recognizes which microphone is in use. Now select the option "Auto" as microphone source.

Channel lists and scanning:

- The user interface of the channel search has been extensively optimized for static channel lists on the Unite AP4 and also for dynamic scanning for channels when using Unite TPs as Master.

Sub-Master:

- As a Sub-Master, the Unite TP bodypack transmitter can just as easily scan for Masters as any Unite RP/RP-T and flexibly connect with them.

Battery indicator for low battery status:

- The portable devices now show a signal on the display and via the LED of the device when the battery is low.

System sounds for RP-T Talkback

- Switching the microphones of talkback receivers on and off is now signaled by a system tone, which can be heard on the respective Master Unite TP as well as on the individual Unite RP-T devices.

Improved reception stability:

- The reception stability was significantly increased in difficult environments.

FIXED BUGS

- USB audio did not work in SD mode. This error has been fixed.
- After successful pairing, the status LEDs of the portable devices now light up yellow for 10 seconds. This status was not displayed before.
- When changing the channel name on portable devices, blanks were replaced with the letter "A".
- After the portable devices were fully charged within the charging case, their status LEDs were blinking green or yellow. Now they will illuminate constantly green when charged.
- With some devices, the charge level indicator was sometimes incorrect after removing from the charger. The displayed value did not correspond to the real state of charge. This bug has been fixed.

KNOWN ISSUES

Battery capacity estimation:

- In some cases it is possible that the reported battery capacity drops quickly down to 8%. This can happen with aged battery packs. When this occurs, the device shows longer a battery capacity of 0% before it turns off.

Charging:

- Very slow charging of the portable devices via the integrated USB socket: If a portable device is to be charged via the USB Type C socket, the charging time of a completely empty device, when switched on, is more than 40 hours.
 - Solution 1: If charging via USB is still required, the portable device should be switched off after connecting it to the USB port of the charger. As long as the USB cable is connected, the portable device displays "Power off". Nevertheless, the portable device will be charged within approx. 12 hours. The display will be extinguished when the USB cable is disconnected. In addition, the charging status is not indicated via the status LED. Only when disconnecting the USB cable, the device will turn off completely.
 - Solution 2: Use a Unite Cockpit-, Rack- or Desktop Charger charging slot. This means that a complete charging cycle takes a maximum of 4 hours, even when the battery is completely discharged.
- Occasionally, portable devices do not immediately display their charging status, it may take a few seconds until the status is displayed.

- If portable devices are charged via USB and have been switched off after plugging in the USB cable, the display does not switch off and permanently shows the message "Power Off". In addition, the charging status is not indicated by a status LED. Only when the USB cable has been disconnected does the device shut down completely.

Bluetooth®:

- If the audio quality of a Unite TP is changed from HD to SD, or vice versa, and a Bluetooth® connection is established at the same time, the receivers lose their connection to this Unite TP for a short time. At the same time, the Bluetooth® stream from the player to the Unite TP terminates although an existing Bluetooth® connection is indicated. Solution: At the Unite TP, the Bluetooth® connection must be re-established.
- If you wish to pair via Bluetooth®, a confirmation code will be displayed on the portable Unite device. Please confirm this by pressing the menu button. Otherwise the pairing will not take place and will abort after a while.
- While a Bluetooth® connection is established and BT audio is paused, and the ALC (Automatic Level Control) is activated/deactivated subsequently, the audio connection to receivers may be interrupted even though the Unite receivers are still connected to the Unite TP.
- During Bluetooth® pairing of headsets, there are occasional delays in the display of the result list. In the "Bluetooth®/Pair" menu, the device searches the environment. As soon as you press the menu button while "Searching..." is displayed, the search process is aborted. Please wait until the result list is displayed to establish a connection to an external Bluetooth® headset.

User Interface:

- In rare cases, portable receivers connected to an AP4 in broadcast mode may display "NO RF" at the limit of the reception range even though the audio signal is still being received.
- To clear this error, restart the portable receiver and wait for a new connection in the AP4's reception area.
- With the automatic selection of the microphone source, a query appears as soon as a headphone or a headset is connected to the 3.5mm jack socket. After confirming the query, you will return to the main screen. If you now open the menu, you are mistakenly starting in the "Audio/Microphone" submenu. Exit the menu and open it again.
- In very rare cases it can happen that the content of the display is rotated or mirrored on portable devices. When a key is pressed, the content is displayed correctly again.
- When switching the audio mode from HD to SD or vice versa, the change will not be applied until you exit the menu and return to the main screen.
- Occasionally, when starting a portable device, the warning "Battery Low" may appear for a short time even though the device has been charged. Please wait a short moment until the warning disappears and the actual charge level is displayed.

Other:

- Currently the volume of the sidetone is still too low. This will be fixed in a future release.

Version 0062.03 (2019-03-04)

FIXED BUGS

- The problem of spontaneous switching off of the bodypack transmitter / receiver with changes in temperature is fixed.
- The validation of the audio key prevented pairing between bodypack devices, even on channel 256.

KNOWN ISSUES

- When the channel name is set, empty spaces are overwritten with "A".
- Very slow charging of the devices via USB-C. If you try to charge a pocket device via USB-C, the charging time of a completely empty device in the switched-on state is more than 40 hours. As the maximum current with USB 1.0 is limited to 100 mA, but the Unite TP consumes 75 mA

when switched on, a charging time of more than 40 hours is caused. The USB 3.0 standard already provides a higher maximum current consumption of 900 mA. A device may only draw this current after it has been enabled by the host controller. Until then, a maximum current of 0.1 A applies.

- **Solution 1:** If USB charging is still required, the Unite TP should be switched off after connecting it to the USB port of the charger. This results in a charging time of about 12 hours.
- **Solution 2:** Use a Unite Cockpit charger, rack or desktop charger charging slot. With the Unite CC-24P or Unite CC-12P charging times of approx. 4 hours are achieved when the battery is completely empty.
- LED will flash when charging is completed. How to reproduce the bug:
 1. Leave the device in the charging case over the night.
 2. After the batteries of the devices in the charging case are fully charged, check the LED of the device.
 - Actual result: Sometimes, when the devices stayed in the charging case for a longer time (e.g. a few hours or over the night), the LED of the device is flashing green or orange.
 - Expected result: The LED of the device should stay constantly green.
 - A solution of this sporadic bug is expected to be available from version 63.
- After charging overnight, the battery charge of the transmitter or receiver is 0%. How to reproduce the bug:
 1. Leave the device in the charging case over the night.
 2. The next morning, remove the device from the charging case and check the display.
 - Actual result: Once the device was removed from the charger, the battery status on the display was 0%. Within 10 seconds, the display of the battery status was 25% and within another 10 seconds the battery status was 100%.
 - Expected result: When the device is removed from the charger, the battery status should be displayed as 100%.
 - A solution of this bug is expected to be available from version 66.

Unite Manager PC Software

Version 2.0.0.0 (2023-08-04)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0029
- Minimum firmware for mobile devices 0181
- Minimum Unite AP4 firmware 0041

IMPROVEMENTS

- Support added for new Televic serial numbers
- Software rebranded to Televic design
- Update server changed to fetch updates from Televic
- Help button added in the menu bar and in the info menu linking to Televic's Knowledge Base website

Version 1.6.0.0 (2021-07-19)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum firmware for mobile devices 0144
- Minimum Unite AP4 firmware 0041

NEW FUNCTIONS

- New selectable audio quality SD (for the broadcast and full duplex modes) for AP4 - this allows more DECT channels to be operated with synchronized Unite AP4 in the same room in the DECT regions of North America and Japan. The SD mode also provides lower latencies than the HD mode (broadcast ~19 ms; full duplex ~14ms), with a lower upper cut-off frequency (50 – 7000 Hz).
- Localization of devices in the “Charging Status” overview possible with a right click. In this way, the selected device and the appropriate charger can be found more easily.

IMPROVEMENTS

- In the “Device List” overview, mobile devices of the NA region are now displayed with the “DECT Region” NA. Previously, “US” was displayed.

Version 1.5.0.0 (2020-08-05)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0029
- Minimum firmware for mobile devices 0118
- Minimum Unite AP4 firmware 0040

NEW FEATURES

- New support for Unite Chargers CDS-4, CDD-8, CC-28/2 and CC-36/2
- An empty battery symbol is displayed when the capacity indicator for portable devices is recalibrated. This disappears once the device has been charged to 100%.

Version 1.4.0.0 (2019-12-20)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0026
- Minimum firmware for mobile devices 0097
- Minimum Unite AP4 firmware 0033

NEW FEATURES

- When using the Unite Manager software, many functions and firmware updates can be configured centrally via PC and simply be transmitted to all portable devices in the network via the Cockpit chargers.

Pairing information can now be saved:

- In addition to maximum protection against unauthorized listening, the Unite system now offers you more flexibility for the use of pairing information.
- With the Unite Manager PC software, individual audio encryption keys for maximum security against unauthorized listening can be created and also saved with a password protection. This can be loaded and transferred to several chargers or Masters/transmitters. This allows receivers to connect to several different master devices with a private group ID. This makes it possible, for example, for receivers to connect to different transmitters in different rooms. Nevertheless, you cannot listen to the system with unpaired Unite devices outside the group.

Full Duplex functionality:

- Thanks to the new full duplex mode for the Unite AP4, Unite Manager PC software now also offers the option of comprehensively configuring this functionality. To this end, the existing Unite AP4 pairing process has been upgraded.
- In full duplex mode, the DANTE® and analogue output levels of the Unite AP4 can now also be set in real-time.

Reboot of devices:

- From now on it is possible to reboot devices in the network with the Unite Manager PC software.

Support of the new Unite TH:

- When the Unite TH handheld transmitter is introduced, it will be fully supported by the Unite Manager PC software.

FIXED BUGS

- A problem with the correct display of the Unite devices in the Unite Manager PC software of the Japanese DECT region has been fixed.
- With the version 1.3.0.0, problems occurred when using individual group IDs to create pairing information on Japanese PCs.

Version 1.3.0.0 (2019-07-11)

REQUIREMENTS

- The AP4 firmware 0018 must be used in conjunction with the firmware version 0082 or higher for portable devices and the Cockpit Charger firmware 0022 or higher.
- Unite Manager 1.3.0.0 or higher is required to configure the AP4 and set the general settings in the charger for the portable devices.

NEW FEATURES

- When using the Unite Manager software, many functions and firmware updates can be configured centrally via PC and simply be transmitted to all portable devices in the network via the cockpit charger.

Configuration of the AP4 in single and multi-mode:

- The Unite Manager PC software now supports configurations for AP4 operation.
- Volume Settings for Audio Inputs (DANTE® and Analog):
- Configuration of the channel table
- Pairing of one or more AP4s with Unite receivers in combination with cockpit chargers.
- In AP4 mode, the paired receivers are set to a different operating mode and then work with a static channel selection list. This channel selection list is transmitted from an AP4 to the selected receivers. Scanning for further channels is then no longer necessary.
- SYNC configuration for the operation of several AP4s in a network. (Multi-Mode)

Unite AP4 setup and pairing:

- Pairing and configuration of one or more Unite AP4 Access Points in one network with multiple chargers.

Pairing via software:

- Pairing is now possible using a large number of chargers via the PC software. This means that the pairing information (group name, group ID, encryption key) can now be transferred easily and simultaneously to a large number of cockpit chargers.
- Resulting from this, the audio encryption key is generated by the PC software during pairing via the PC software and transferred to the selected chargers via SNMP v3 with password protection.

Adjustable button locks:

- If users of portable devices should not be able to set all functions individually, the button lock can be adjusted separately to access the menu, search for channels and to turn the device off.

Adjusting switch-on behaviour of portable devices when they are removed from a cockpit charger:

- The following options are available: remain switched off, automatic switch on

Talkback settings:

- Deactivation of talkback function on the Unite RP-T and adjustment of microphone button to push-to-talk or toggle operation (on/off).

Automatic power-off adjustable:

- The factory default is that receivers and sub-masters not connected to a Master are switched off after 15 minutes. This can now be individually deactivated.

Further improvements of the Unite Manager PC software:

- From now on, individual devices can be localized (by LED blinking) via the device list. This applies to cockpit chargers as well as individual portable receivers and transmitters and AP4 access points.
- All devices can now also be reset to factory settings via the Unite Manager PC software.

FIXED BUGS

- Occasionally there were wrong values transmitted by the chargers when querying the charging states of portable devices and consequently displayed incorrectly in the PC software.

Unite Access Point AP4

Version 0041 (2021-07-19)

REQUIREMENTS

- Minimum Cockpit Charger firmware 0029
- Minimum firmware for mobile devices 0144
- Minimum Unite Manager PC software 1.6.0.0

NEW FUNCTIONS

- New available audio quality SD (for broadcast and full duplex modes) for AP4 - this allows more DECT channels to be operated with synchronized Unite AP4 in the same room in the DECT regions of North America and Japan. The SD mode also offers lower latencies than the HD mode (broadcast ~19ms; full duplex ~14ms), with low upper cut-off frequency (50 - 7000 Hz).

FIXED BUGS

- By optimizing the internal signal processing, the latency between channel pairs 1 & 2 and 3 & 4 could be equalized. The difference between the channel pairs is now less than 1 ms (analogue and digital via Dante®).

KNOWN ISSUES

- The status LED of the Unite AP4 will illuminate green before the device will fully operate. This can result in incomplete data when the device is read too quickly by the Unite Manager PC software after a reboot.
- If portable receivers are charged via USB and have been switched off, they lose the channel table of the AP4 (Static Channel List Configuration). The channel table is only rebuilt after the portable receiver has been switched on for some time, when the receiver is in the transmission range of the corresponding AP4.

Version 0040 (2020-08-05)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0029
- Minimum firmware for portable devices 0118
- Minimum Unite Manager PC software 1.5.0.0

FIXED BUGS

- Devices might have shown Connecting state after a long runtime of an AP4
- After a long runtime, the connection of all four channels was dropped sporadically. This is now fixed.
- When operating several synchronized AP4s over a longer period of time, it could happen that the synchronization did not work correctly and thus various disturbances in the audio transmission could occur.

KNOWN ISSUES

- The status LED of the Unite AP4 will illuminate green before the device will fully operate. This can result in incomplete data when the device is read too quickly by the Unite Manager PC software after a reboot.
- If portable receivers are charged via USB and have been switched off, they lose the channel table of the AP4 (Static Channel List Configuration). The channel table is only rebuilt after the portable receiver has been switched on for some time, when the receiver is in the transmission range of the corresponding AP4.

Version 0033 (2020-01-14)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0026
- Minimum firmware for portable devices 0097
- Minimum Unite Manager PC software 1.4.0.0

FIXED BUGS

- Within the Unite AP4 version 0031 it could happen in some cases that portable devices could not connect to the Unite AP4 anymore.

KNOWN ISSUES

- The status LED of the Unite AP4 will illuminate green before the device will fully operate. This can result in incomplete data when the device is read too quickly by the Unite Manager PC software after a reboot.
- Attention: In rare cases, portable receivers may not be able to connect to a channel of an AP4 after a channel change. To remedy this, the channel must be selected a second time, or the receiver must be restarted.
- Attention: Infrequently it may occur that an AP4 no longer sends audio to the portable receivers and the receivers display "NO RF" or "Connecting..." permanently. This can be corrected in the following way:
 - Restart the device manually. Please note that any subsequent AP4 devices will no longer receive a sync signal and will therefore also no longer transmit an audio signal.To prevent this, use the Unite Manager PC software as follows:
 - Start the PC software and select the affected AP4 in the device list. In the window on the right hand side open the "Config AP4" tab and click the "Store Settings on AP4" button. You do not have to change the settings for this.
- The affected AP4 restarts automatically and resends audio to the previously connected receivers. To clear this error, restart the portable receiver and wait for a new connection in the AP4's reception area.
- If portable receivers are charged via USB and have been switched off, they lose the channel table of the AP4 (Static Channel List Configuration). The channel table is only rebuilt after the portable receiver has been switched on for some time, when the receiver is in the transmission range of the corresponding AP4.

Version 0031 (2019-12-20)

REQUIREMENTS



The firmware update is not backwards compatible. This means that all devices within the system and the Unite Manager PC software must also be updated.

- Minimum Cockpit Charger firmware 0026
- Minimum firmware for portable devices 0097
- Minimum Unite Manager PC software 1.4.0.0

NEW FEATURES

Unite AP4 Full Duplex operating mode/

- The Full-Duplex mode of the Unite AP4 enables the access point to be used as a 4-channel receiver for wireless microphone applications. Each of the max. 4 wireless microphones also receives an individual signal, which can be routed to the Unite AP4 analogously or via DANTE®. This functionality can be used in conjunction with the new "AP4 Mic" sub-master mode on the Unite TP and TH.
- In this operating mode, the DANTE® and analogue output levels of the Unite AP4 can be set in real time to play back the signals of a maximum of four wireless microphones.
- The analogue and DANTE® audio inputs which are already active in the Broadcast mode work as individual return channels to the individual radio microphones (e.g. for stage directions, translations etc.) in the Full Duplex mode.

Preventing peaks of audio signals that are too loud:

- An improvement of the general audio playback prevents peaks of the playback with the receivers from signals that are too loud at the audio inputs.

Flexible use of receivers with TP/TH and AP4:

- From now on it is possible that the receivers can flexibly connect to or change between Unite TP/TH and Unite AP4 (Broadcast operation) master devices. Previously, the user had to choose one of the two device types (TP/TH or AP4). By using an open group ID and scanning the DECT environment, the receivers can now decide to which master they want to connect to.

FIXED BUGS

- In conjunction with a long operating time of the Unite AP4, losses in DECT connection of portable devices could occur under certain circumstances. The receivers were not able to establish a connection to the channels of the respective Unite AP4 devices.
- In rare cases it was possible that a channel of a Unite AP4 did not transmit audio correctly any more, although a correct reception was displayed on the mobile receivers (operating mode: Broadcast HD).
- When pairing is performed via the Unite Manager PC software, the status LED of the mobile devices in the appropriate chargers flashes yellow. In some cases, the status LED flashes yellow permanently.
- In rare cases, portable receivers connected to an AP4 in broadcast mode displayed "NO RF" at the limit of the reception range even though the audio signal was still received.
- The reset function of the Unite AP4 now also resets the static IP settings to the factory settings and does not only deactivate DHCP.

KNOWN ISSUES

- The status LED of the Unite AP4 will illuminate green before the device will fully operate. This can result in incomplete data when the device is read too quickly by the Unite Manager PC software after a reboot.
- Attention: In rare cases, portable receivers may not be able to connect to a channel of an AP4 after a channel change. To remedy this, the channel must be selected a second time, or the receiver must be restarted.
- Attention: Infrequently it may occur that an AP4 no longer sends audio to the portable receivers and the receivers display "NO RF" or "Connecting..." permanently. This can be corrected in the following way:
 - Restart the device manually. Please note that any subsequent AP4 devices will no longer receive a sync signal and will therefore also no longer transmit an audio signal.
 To prevent this, use the Unite Manager PC software as follows:
 - Start the PC software and select the affected AP4 in the device list. In the window on the right hand side open the "Config AP4" tab and click the "Store Settings on AP4" button. You do not have to change the settings for this. The affected AP4 restarts automatically and resends audio to the previously connected receivers. To clear this error, restart the portable receiver and wait for a new connection in the AP4's reception area.
- If portable receivers are charged via USB and have been switched off, they lose the channel table of the AP4 (Static Channel List Configuration). The channel table is only rebuilt after the portable receiver has been switched on for some time, when the receiver is in the transmission range of the corresponding AP4.

Version 0018 (2019-07-11)

REQUIREMENTS

- The AP4 firmware 0018 must be used in conjunction with the firmware version 0082 or higher for portable devices and the Cockpit Charger firmware 0022 or higher.
- Unite Manager 1.3.0.0 or higher is required to configure the AP4 and set the general settings in the charger for the portable devices.

FUNCTIONS OF THE FIRST VERSION

- Broadcast Mode: Analog Input 1-4 and DANTE® Input 1-4 are transmitted on DECT Channel 1-4 respectively.

- If the receivers are used in combination with one or more Unite AP4 devices, the portable devices are switched to a new operating mode. This operating mode differs in the selection of the channels. Detailed information can be found in the Unite Manager manual in the chapter "Static Channel List - Connecting Unite AP4 to Receivers".
- The AP4 can be configured using the Unite Manager PC software. This includes the volume settings of the inputs, the configuration to synchronise multiple AP4s in a network, and the static channel list.

KNOWN ISSUES

- Attention: In rare cases, portable receivers may not be able to connect to a channel of an AP4 after a channel change. To remedy this, the channel must be selected a second time, or the receiver must be restarted.
- Attention: Infrequently it may occur that an AP4 no longer sends audio to the portable receivers and the receivers display "NO RF" or "Connecting..." permanently. This can be corrected in the following way:
 - Restart the device manually. Please note that any subsequent AP4 devices will no longer receive a sync signal and will therefore also no longer transmit an audio signal. To prevent this, use the Unite Manager PC software as follows/
 - Start the PC software and select the affected AP4 in the device list. In the window on the right hand side open the "Config AP4" tab and click the "Store Settings on AP4" button. You do not have to change the settings for this. The affected AP4 restarts automatically and resends audio to the previously connected receivers.
- In rare cases, portable receivers connected to an AP4 in broadcast mode may display "NO RF" at the limit of the reception range even though the audio signal is still being received. To clear this error, restart the portable receiver and wait for a new connection in the AP4's reception area.
- If a device is disconnected from an existing DHCP network and then connected to a different DHCP network, the device must be restarted, otherwise the device will not obtain a new DHCP network address.
- If portable receivers are charged via USB and have been switched off, they lose the channel table of the AP4 (Static Channel List Configuration). The channel table is only rebuilt after the portable receiver has been switched on for some time, when the receiver is in the transmission range of the corresponding AP4.

TROUBLESHOOTING

Problem	Solution
The transfer of a new firmware for bodypack devices does not start automatically.	<ul style="list-style-type: none">• Remove the devices one by one from the charging slots and check whether the current firmware version is already on the device.• Check the menu under "System" > "Information" > "Device".• The update process is automatically activated upon re-insertion into the charger and takes up to 10 minutes to complete.
After updating to V0144, the device shows: <ul style="list-style-type: none">• no battery symbol anymore• only 0% despite longer charging• during operation, the battery display jumps between 0%• a higher value	<ul style="list-style-type: none">• First of all, select "Reset battery" via the menu "System" -> "Reset" and charge the device again for at least four hours in the charger.• Should the error occur again with the same device, please contact the customer service known to you.

For more information on how to use the Unite devices and PC Manager software, visit Televic's Knowledge Base at:

<https://conference.televic.digital/knowledgebase/products/unite/>

If you cannot solve your problem, please contact our support team at:

<https://www.televic.com/en/conference/support/support#contactsupportteam>

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