

RT112 Series Vehicle Cradle

-Support RT112 & RT112 Windows-



Standard



With USB-A Host

Quick Start Guide

V1.0

► Description

Easily install the Unitech RT112 Series in your vehicle with the Vehicle Cradle. Designed for in-vehicle use in professional environments such as transportation, parcel delivery, and other industrial applications, the cradle securely holds and charges the device during operation. It supports both 12V and 24V vehicle power systems, making it suitable for cars, commercial vehicles, and trucks. The high-efficiency charging circuit allows the cigarette lighter plug to be removed for fixed installation. This package includes the required accessories and mounting materials for quick installation in your vehicle.

Two Vehicle Cradle models are available for the RT112 Series:

- **Standard Ver.:** with lighter plug only
- **USB-A Host Ver.:** with lighter plug and USB-A Host

► Package

Please make sure the following contents are in the gift box. If something is missing or damaged, please contact your Unitech representative.

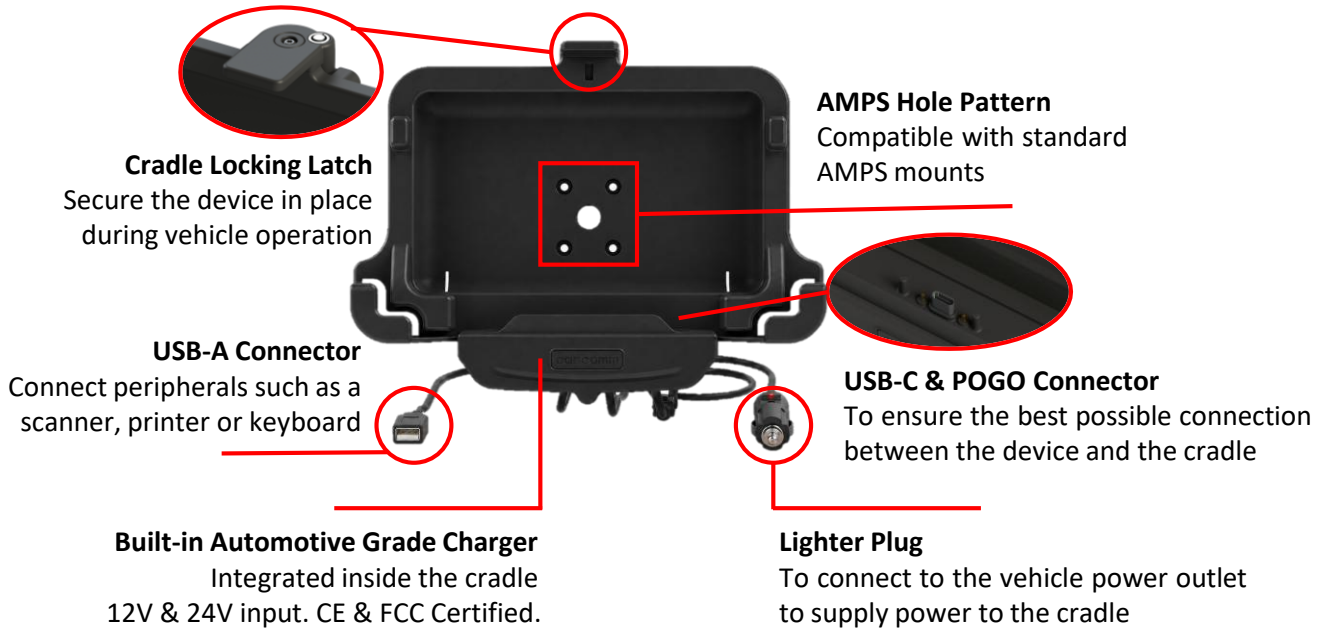
► The Package Contents 1: RT112 Series Vehicle Cradle_Standard Version

- Active Vehicle Cradle with Lock & 100mm Cable with 6-Pin Molex Male
- CPCC-02 Power Cable Molex 6-Pin Female / 1,2m Cable / Lighter Plug
- Rugged Rotating Swivel M4
- Screw Set 4pcs M4 x 16 PHFT + Lock Nut
- Screw Set 4pcs 4 x 20 PHST
- Quick Installation Guide

► The Package Contents 2: RT112 Series Vehicle Cradle_USB-A Host Version

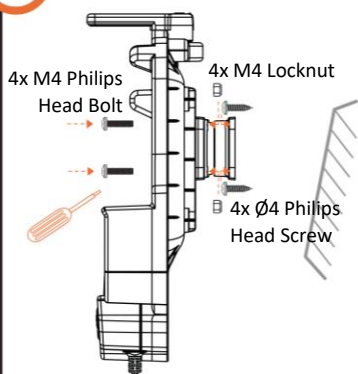
- Active Vehicle Cradle with 100mm Cable with Lock & 6-Pin Molex Male & 500mm Cable with USB Female
- CPCC-02 Power Cable Molex 6-Pin Female / 1,2m Cable / Lighter Plug
- 2 Keys
- Rugged Rotating Swivel M4
- Screw Set 4pcs M4 x 16 PHFT + Lock Nut
- Screw Set 4pcs 4 x 20 PHST
- Quick Installation Guide

► Product View (USB-A Host Version Example)

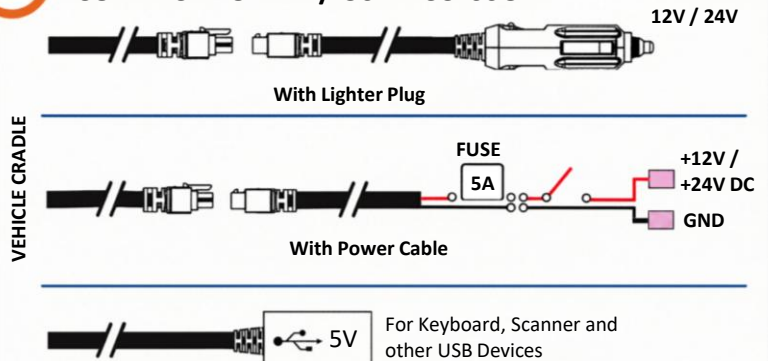


► How to Install the Device

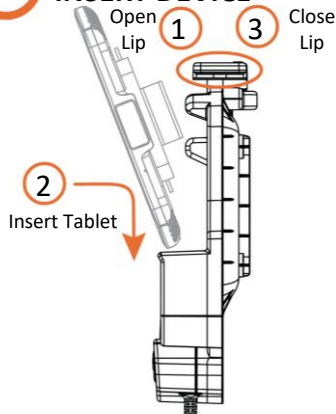
A MOUNT CRADLE



B CONNECT POWER / USB ACCESSORY



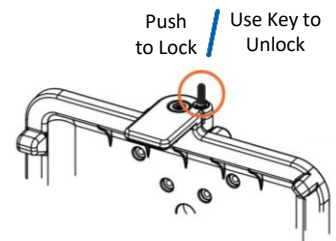
C INSERT DEVICE



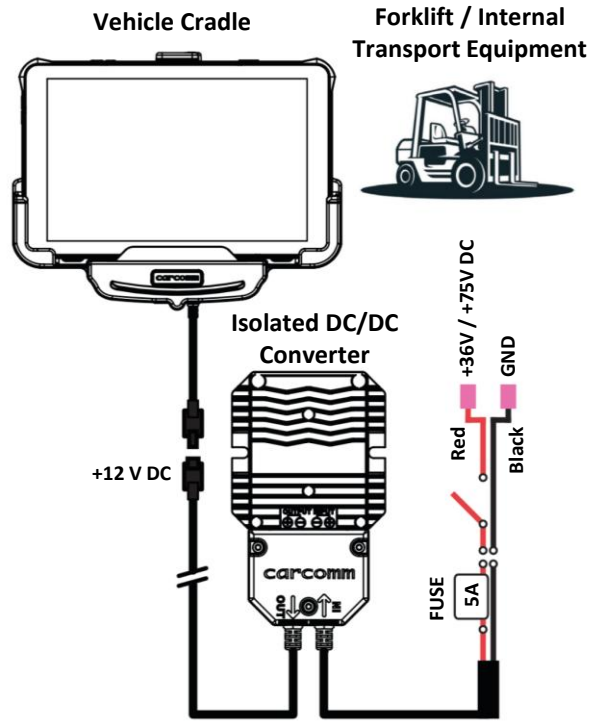
D REMOVE DEVICE



E Secure Cradle Lock Latch



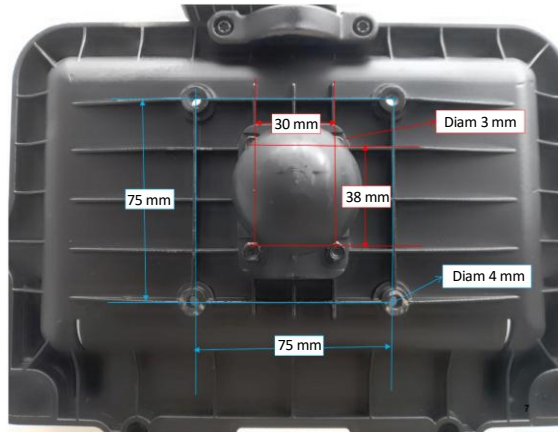
► Power Wiring Diagram



► RAM Mount Compatibility

The Vehicle Cradle is compatible with RAM Mount products.

Vehicle Cradle RAM Mounting Dimensions



Mounting hardware for RAM Mount products is not supplied. Please prepare the recommended mounting hardware listed below:

1. 4 × M3 × 16 mm countersunk head bolts
2. 4 × M3 nylon-insert lock nuts, to help secure the cradle against vibration and shock
3. 4 × M3 washers, to fit the M4 holes on RAM Mount products

► Physical Characters

- Material: Nylon Fiber
- Dimensions (w x d x h): +/- 280 x 73 x 225 mm
- Weight: +/- 550g

► Electrical Specification

- Power Input: 12V & 24V
(power input range is 12 – 30V, via lighter plug)
(power regulator is embedded in cradle)
- Power Output: 12V – 3,5V
(power to RT122, via pogo pin)
- Cradle Cable Length: 100 mm with Molex Connector
- Vehicle Cradle Power Cable Molex 6-Pin Female / 1.2m Cable / 5A fuse holder / Cigarette Plug

► Vehicle Installation Notes

- Ensure that the vehicle's battery is disconnected before you start the installation procedure and that it remains disconnected during installation.
- Do not smoke or use open flames when working near the vehicle's fuel system.
- Ensure that the installation does not obstruct the normal control and operation of the vehicle. Ensure that airbag operation is not obstructed.
- Vehicle electronic systems are generally resistant to malfunction caused by this product. If you experience false operation or are unsure about vehicle system functionality, please consult your vehicle dealer.
- The DC / DC Converter is suitable for 36V / 75V DC with negative grounding. The Vehicle Cradle is suitable for 12V / 24V DC. Other voltages or polarities may damage the products.

Road safety

Obey all local laws. Always keep your hands free to operate the vehicle while driving.

Qualified service

Only qualified personnel may install or repair this product.

Accessories

Do not connect incompatible products.

Connecting to other devices

When connecting to any other device, read its user guide for detailed safety instructions. Do not connect incompatible products.

Unitech and/or their authorized dealers cannot be held responsible for any direct or indirect damage caused by or to this product that is caused by improper installation and/or usage or the inability to use this product.

WARNING!

There is a risk of fire and burns if the cradle is used improperly.

DO NOT disassemble, crush, puncture, short external contacts, or dispose the cradle in fire or water.

CAUTION!

To ensure proper operation of the unit, keep all connectors away from contaminants such as dust, grease, mud, and water. Failure to do so may cause the unit to lose communication, short circuit, or overheat. If a connector is damaged, make sure it is properly repaired before using the unit to avoid a short circuit.

