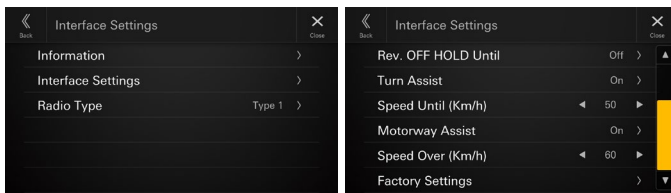


APF-T100U

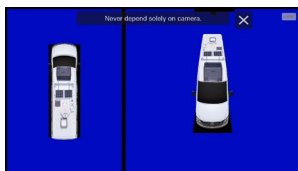
UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100

General



Supports interface settings and turn assist function

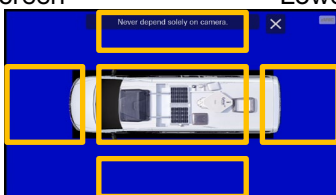
Operations



Default view /
Upper touchscreen



Reverse gear /
Lower touchscreen



Hazard warning lights / Central touchscreen



Left turn signal /
Left touchscreen



Right turn signal /
Right touchscreen

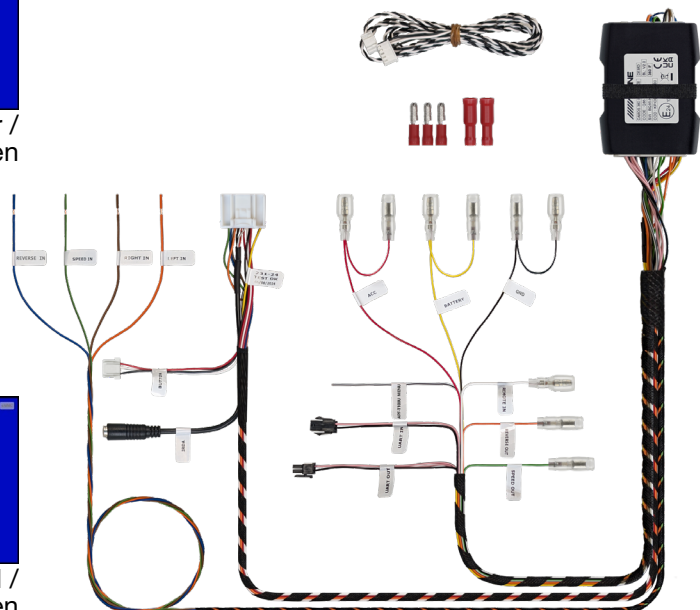
Content

UART interface for **supporting touch operation on the Alpine radio with turn and motorway assistant** and as a **parking assist system**

- Focus is on safe driving and optimal overview during driving manoeuvres.
- Automatic switching of 360° camera views when parking
- Automatic switching to the **side view** when the indicator is set
 - when driving with low speed (within town)
 - no blind spot when turning left and right
- Automatic switching to a **rear view** when the indicator is set
 - when driving with higher speed (outside town)
 - suitable for lane changes and overtaking manoeuvres on motorways and country roads to observe the traffic behind you
 - no blind spot when overtaking or changing lanes

Compatible with all current Alpine Head Units with UART input:

iLX-705D / iLX-F115D / iLX-F905D / i905D-F



APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100



Compatibility

Compatible with:

- iLX-F115D
- iLX-F905D
- iLX-705D
- i905D-F

- New Head Unit Software Update¹ (www.alpine.de)
- Full control and management
- Maximum user experience

Limited compatibility with:

- INE-F904D(C)
- INE-W720D(C)
- X803D(C)-XX
- X903D-XX

- Head Unit Software² not 100% compatible
- Limited control
- Safety features guaranteed (Limitation in image quality)

Limitations

The following functions are **NOT** supported by the interface in conjunction with a Head Unit² of type INE-F904D(C), INE-W720D(C), X803D(C)-XX, X903D-XX:

Initial Situation		Action	Result
Source →	Visual →	Turn Assist active	Limitation after action
Audio playback	Analogue Camera (CVBS)	Indicator is activated & deactivated	Visual switches back to Audio ¹ . ➤ Camera screen must be selected manually.
Audio playback	Navigation full screen	Indicator is activated & deactivated	Visual switches back to Audio ¹ . ➤ Navigation screen must be selected manually.
Telephone (active call)	Telephone screen	Indicator is activated & deactivated	Visual stays in the camera view (must be closed via 'X' to return to the phone screen).
Any	Any	Button is used to select the Camera (analogue)	It is not possible to activate the Camera via the Button.
		Button is used for switching views	The views can only be switched by using the Button in the ACC Control (HDMI) source.

The APF-T100U is only compatible with the Alpine devices mentioned.

¹ Expected software version 7.0.000. Only manual viewing of PDC display possible (in combination with APF-X320MIB or APF-X303VW).

² Limitation of the Head Unit software. Cannot be fixed.

APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions
of the Alpine 360° Camera System HCS-T100



Accessories

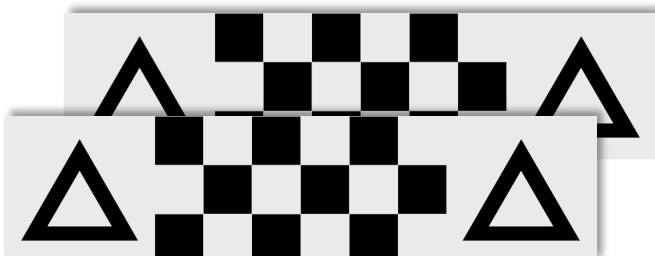
HCS-T100 360° HD Camera System



Features

- 360° HD camera system for universal installation
- Designed for motorhomes and camper vans
- Includes four HD cameras, camera control unit, connection cable harness and silver camera mounts
- Multiple viewing angles selectable including top view
- Touchscreen operation with compatible Alpine Head Units (APF-T100U optional)
- Can be expanded with up to four additional cameras for additional views
- Eliminates dangerous blind spots when turning, helping to prevent accidents

KTX-T100 Calibration Mats for 360° Camera



Features

- 2 calibration mats
- Necessary for calibrating the HCS-T100
- 6 x 1.5 metres

APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100



Accessories

KTX-S100

Software Installation Kit



Features

- Calibration software for HCS-T100
- Includes:
3x USB stick, remote control, IR receiver, button
- Necessary for calibrating and configuring the 360° camera in the vehicle

DVM-70RCU

Drive Recorder Kit



Features

- Activation package for video recording
- Enables video recording of the individual cameras of the 360° camera on a memory card
- Also suitable for later editing of the views in the vehicle
- Includes:
IR receiver, remote control, 128 GB microSD card including SD card adapter

KWE-HCS04

Input Wiring Harness for Camera Expansion (up to 4 cameras)



Features

- Input wiring harness for 4 additional cameras, such as roof camera (front/rear), underfloor camera, trailer hitch camera on the HCS-T100

APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100



Accessories

HCS-AC120 / HCS-AC120R
Under-Floor Camera 120° Lens,
Non-Mirrored / Mirrored



Features

- Extension cameras for HCS-T100
- Under-Floor cameras
- 120° lens in each case
- HCS-AC120 = Non-mirrored image
HCS-AC120R = Mirrored image

HCS-AC90 / HCS-AC90R
Roof Camera 90° Lens,
Non-Mirrored / Mirrored



Features

- Extension cameras for HCS-T100
- Roof cameras
- 90° lens in each case
- HCS-AC90 = Non-mirrored image
HCS-AC90R = Mirrored image

KWE-EX5T / KWE-EX10T
5 m / 10 m Camera Extension Cable



Features

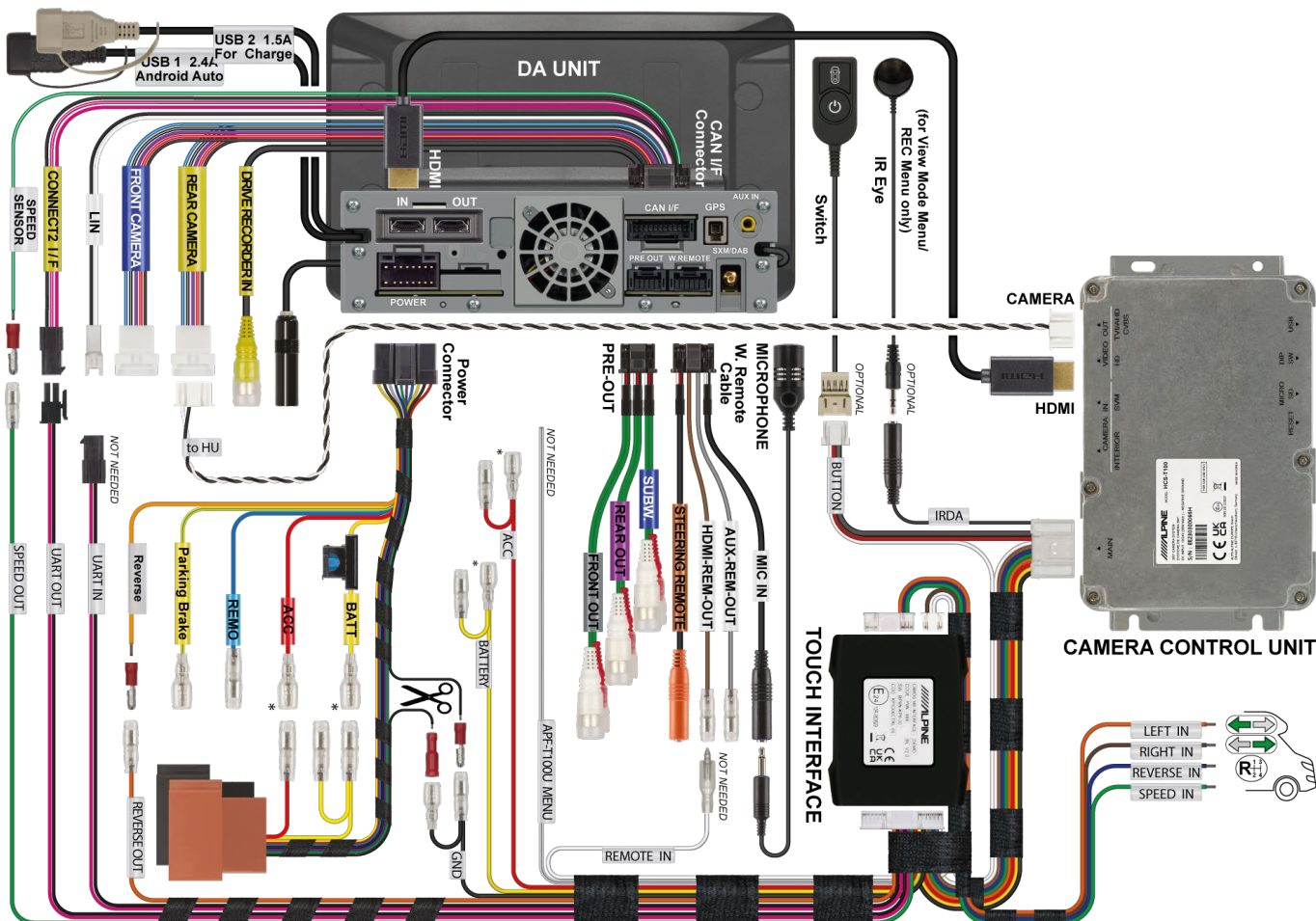
- Camera connection cable for HCS-T100
- Required to connect the extension cameras (HCS-AC90, HCS-AC90R, HCS-AC120, HCS-AC120R)
- KWE-EX5T = 5 m connection cable
KWE-EX10T = 10 m connection cable

APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100



Connection 1x UART



APF-T100U

UART Interface to support the Touchscreen & Driver Assistance Functions of the Alpine 360° Camera System HCS-T100



Connection 2x UART

