TEYES | CC3

Industry first

3D real-time dynamic Brand new smart car infotainment

Cutting-edge technology
huge release



ENDOW SOUL

3D dynamics applied for the first time

Built-in gyroscope sensor

2*DSP ADI adau1701 + Rohm32107

27EQ + bass + audio delay + filter

4G Connectivity

SIM cards of all operators are suitable

8 cores 1.8 GHz

ARM Cortex 2*A75 + 6*A55

Android 10

API = 29

Resolution 1280*720

Display more clearly

QLED Quantum Screen

Rich and realistic colors

4 basic design styles

Purple, blue, gold, black

5.1 audio output support

Support optical and coaxial lossless digital audio output

Padiomodule TDA 7708

RDS support

TDA 7851

Chip audio amplifier

CC3

Voice Control Software

Teyes Voice

Click on

It has more than 30 offline wake-up-free voice control technologies, and supports offline calls to simplify operations and improve driving safety.

Machine display

Latest technology platform







Back view

PRODUCT DISPLAY



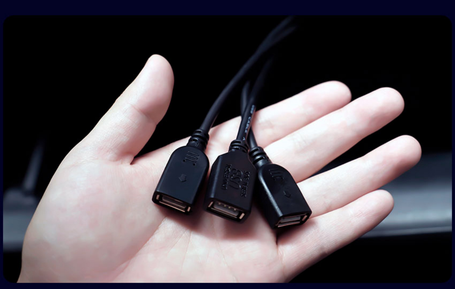
Device connection wires

CAR BRAND WIRES



It supports the original car steering wheel buttons, and unlike ordinary navigation, CC3 also supports long press and short press function settings.

STEERING WHEEL BUTTONS



We will give you 3 USB2.0 cables to support high-speed data transmission. This is much faster than most original car USB1.1. We currently support most of the original car USB functions, but not 100% of all models. We strongly recommend that you use the USB cable we distribute, which will greatly improve the stability of some software that depends on USB.

USB INTERFACE

Among the color styles there is always an option that suits you

Not only the style of the main interface changes, but also the style of applications such as Bluetooth, music, radio, settings and menus at the top of the screen



Innovative layout and quick response

Control all functions on the home screen

One-click access to online music software (allow adding cutom options)

One-click wake up phone voice control

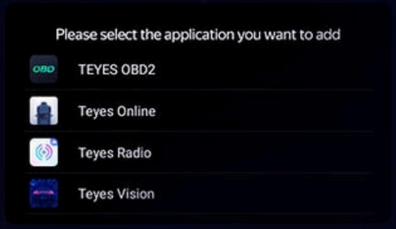
Check the weather

One-clcik mute









You can add, delete, and slide custom applications

Press and hold to enter redial, Bluetooth music, favorite contacts, dial

Quickly switch between picture-in-picture and application display

Map navigation, driving recorder, rear view streaming media, Teyes Vision

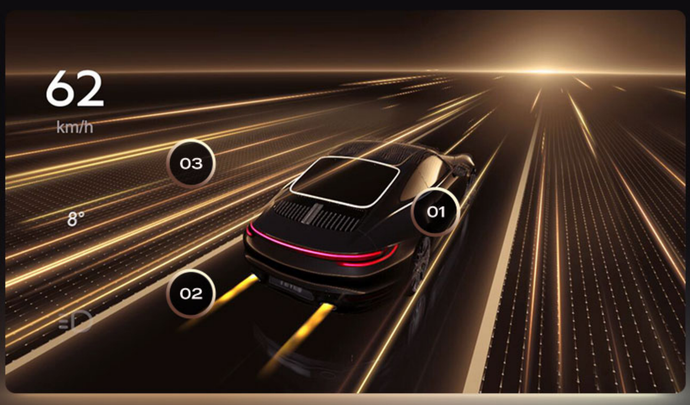
INSTALLED VEHICLE

3D real-time driving dynamics

TEYES CC3 not only created the industry's first 3D engine-based software that can display various states of vehicles in real time, but it is also a great innovation and experiment in the automotive field.



The built-in three-axis gyroscope sensor hardware of CC3 can sense various states of the vehicle



01 Left / right swing angle

Braking

02 Acceleration

Vibration amplitude

03 Receive speed data via GPS and change lighting effects depending on driving speed

DRIVING DYNAMICS



It is possible to set your license plate and change the image of the license plate

CUSTOM LICENSE PLATE

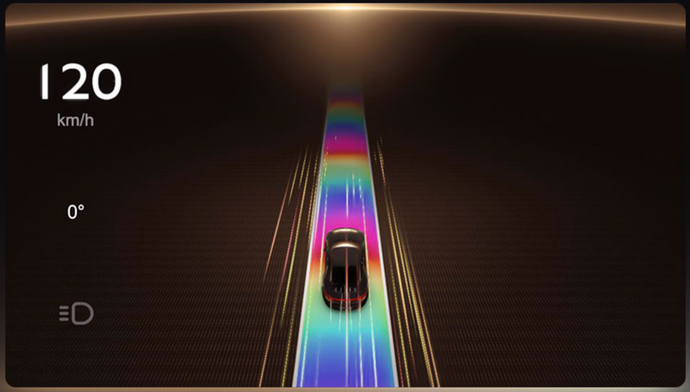


You can change the color of the car



You can change the color of the design

CHANGE COLOR THEME



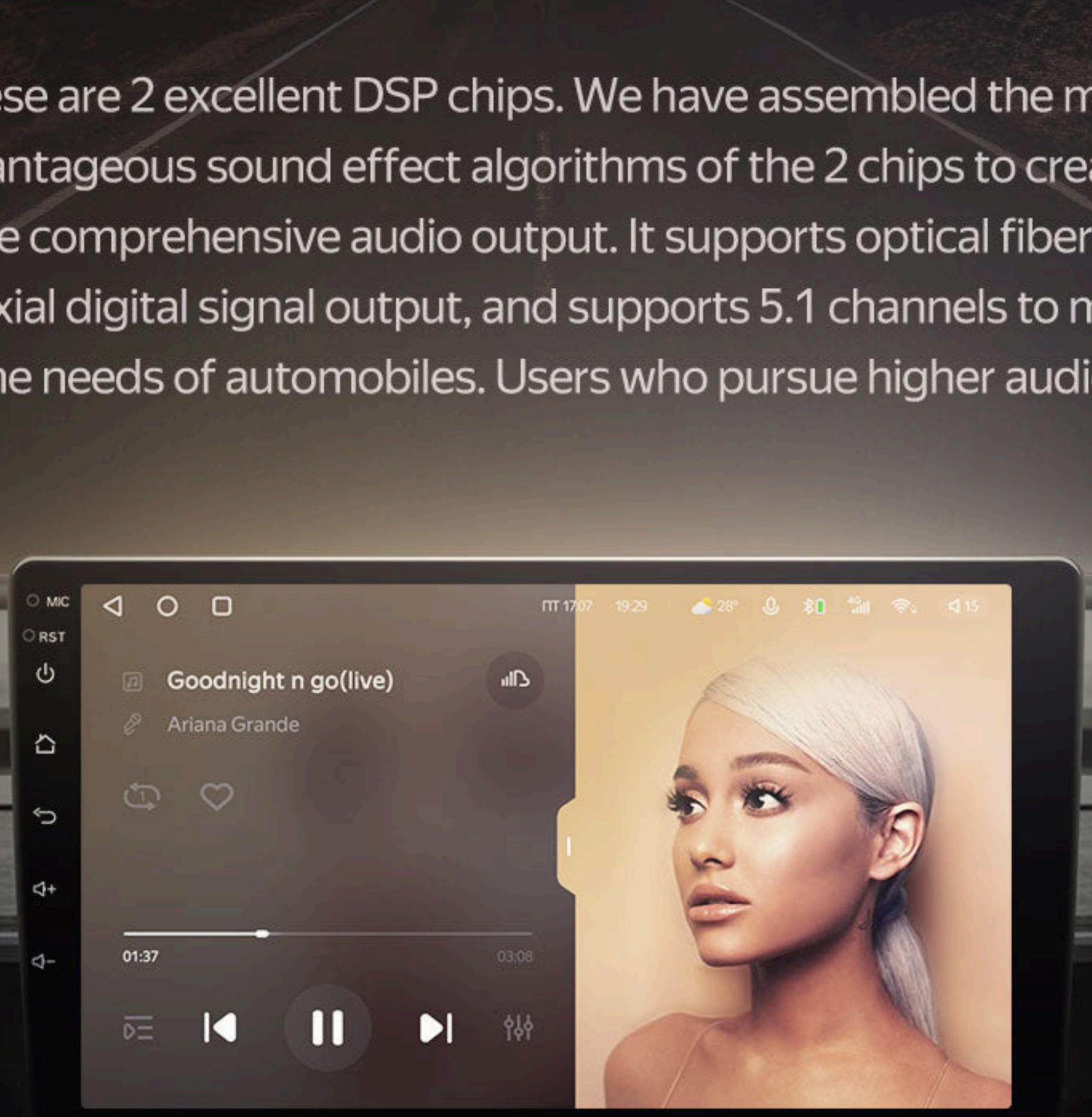
Top view: rainbow mode

RAINBOW BRIDGE MODE

DSP*2

Adau1701 + Rohm32107

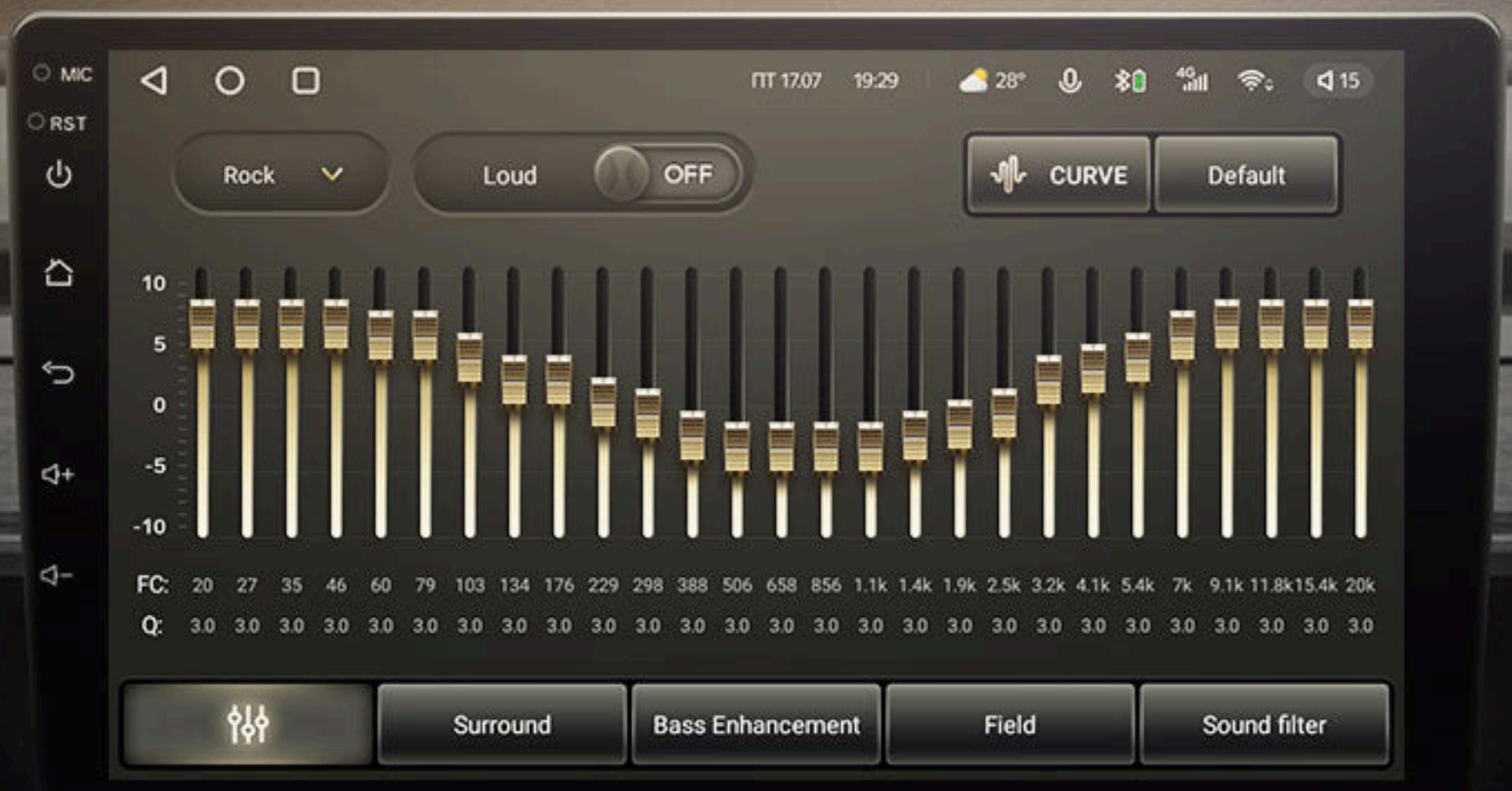
These are 2 excellent DSP chips. We have assembled the most advantageous sound effect algorithms of the 2 chips to create a more comprehensive audio output. It supports optical fiber and coaxial digital signal output, and supports 5.1 channels to meet the needs of automobiles. Users who pursue higher audio.



TWO DSP CHIPS

27-segment EQ

From the bass of 20HZ to the treble range of 20KHZ,
there are a total of 27 adjustment levers,
which means that more detailed parameter adjustments can
be made to the sound.



27-SEGMENT EQ

Control the Time The Sound is Emitted

Our products can control the time when the car's four speakers play sounds. This surround feeling makes you feel like you are in a concert hall. This is a more advanced auditory enjoyment.



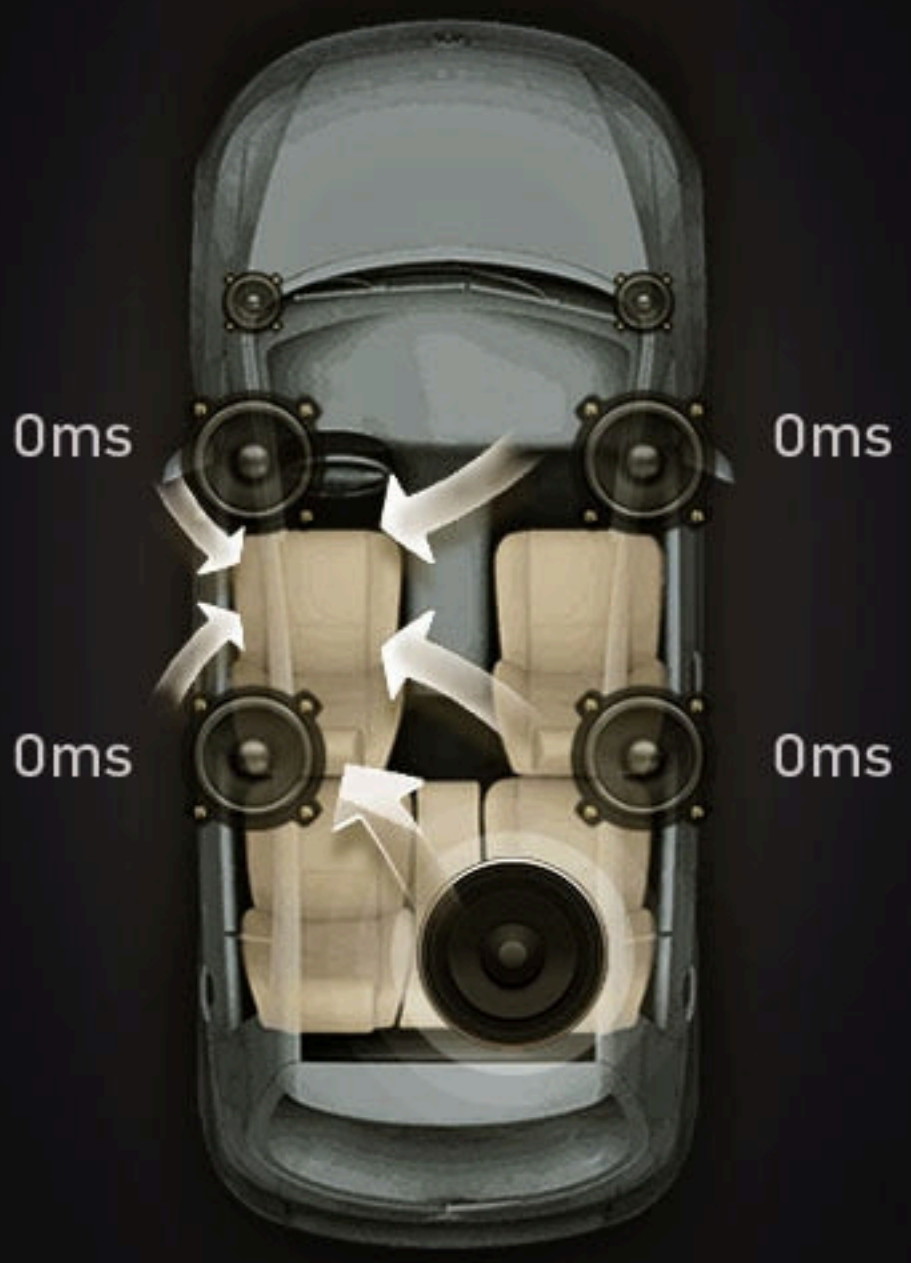
Normal product

Hearing of the main

CC3

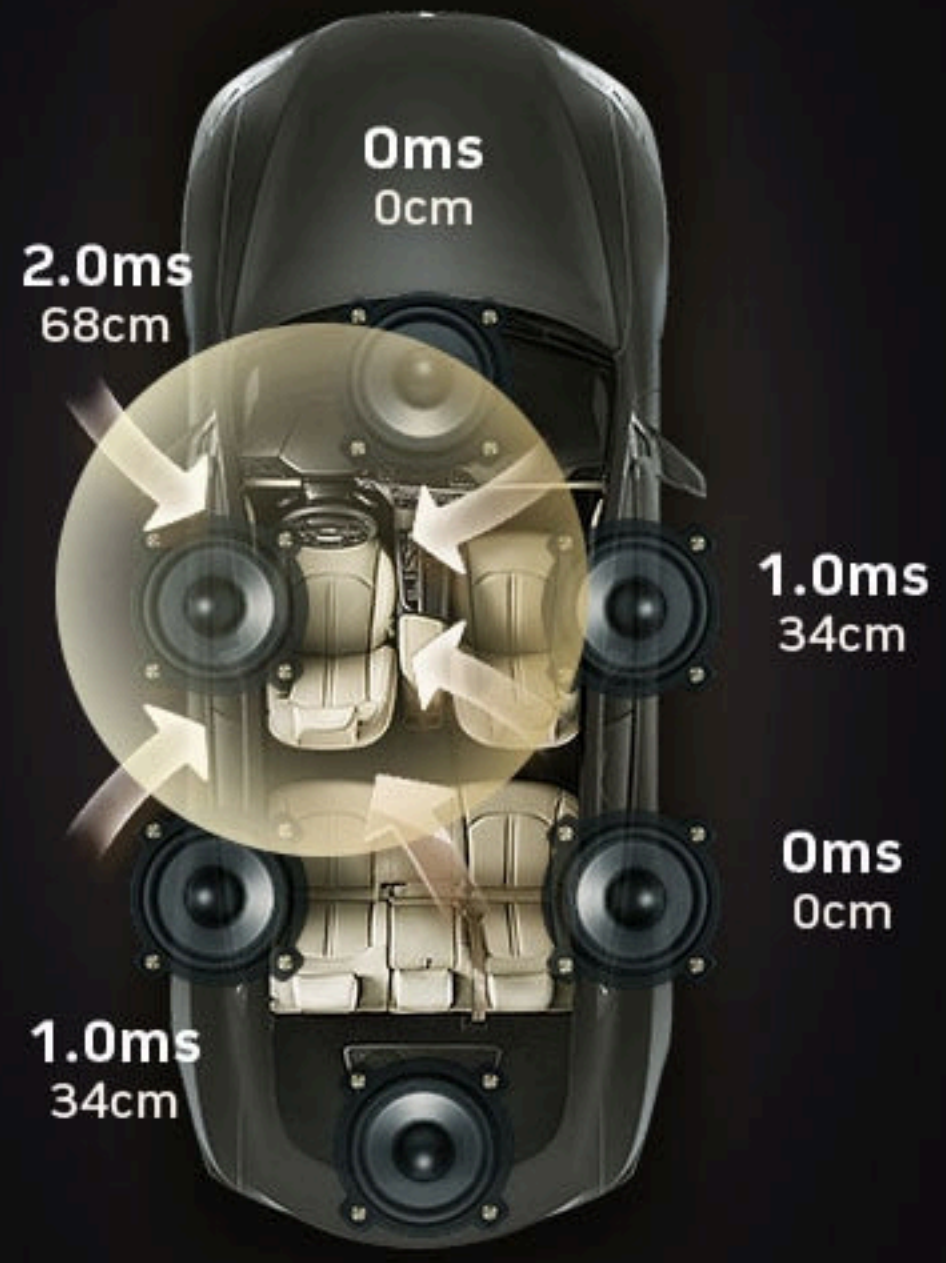
Hearing from the center

coming from the front left speaker



+

center of a speaker system



L2 H11
0

We cannot change the position of the 4 speakers themselves, but we can adjust the time after which the sound of each speaker will reach the listener.

Usually, on head units, you can only adjust the volume of the speakers. This may improve things a little, but the music will sound unnatural.

In CC3, you can adjust the playback time of each of the 4 speakers, delay or speed it up as you wish. Thus, you can create the effect of being in a concert hall and enjoy live sound right in your car!

Optical and coaxial digital audio output

The CC3 host is very suitable for car audio enthusiasts. Support 5.1 channel audio output. Coaxial and fiber optic connectors. Greatly reduce background noise and improve sound effects.



BASS BOOST

Sound filtering

Support front and rear speakers high and low bass filtering, there are 2 filter curve types to choose, you can set the front 2 speakers to emit high and mid tones, and the rear 2 speakers to only emit mid to bass.



Optical and coaxial digital audio output



RCA cable



GIFT

RCA cable

All users of teyes CC3 get RCA cable free of charge, support 5.1 channel audio output, external microphone connector, external SIM card 4G and other functions.

TEYES has continuously strive to create software optimization for CC3:



In December 2020, we have added TEYES Vision Winter 3D scene.

TEYES VISION



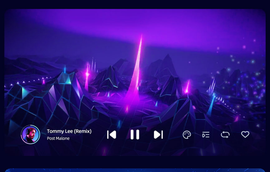
Added Quick Switch for Bluetooth Music to Local Music and Local Radio to Online Radio directly from the homepage.

FAST SWITCHING

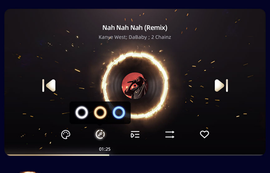


In April 2021, we have added new Rear View Camera Video Recording feature software.

CARMERA RECORDER

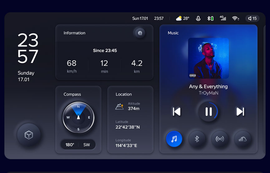


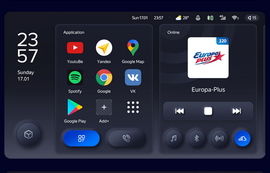


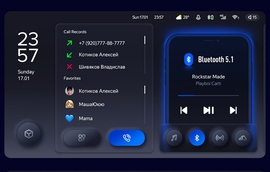


Added the global first in automotive industry 3D online music player TEYES YAHU.

TEYES YAHU



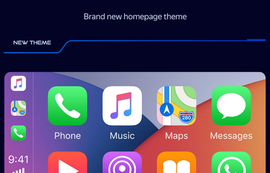


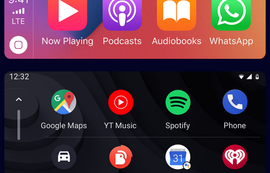




Brand new homepage theme

NEW THEME





Supports wireless, wired CarPlay and wired Android Auto, providing you additional choice to enhance your driving experience.

NEW FUNCTION

There are many more features being added and optimized, you may visit the CC3 upgrade page to find out more.

We will continue to update and optimize CC3 based on your previous feedback.

Extraordinary Effect
More sophisticated.
More Fun.

LDW

Lane Departure
Warning Distance
Assist

FCW

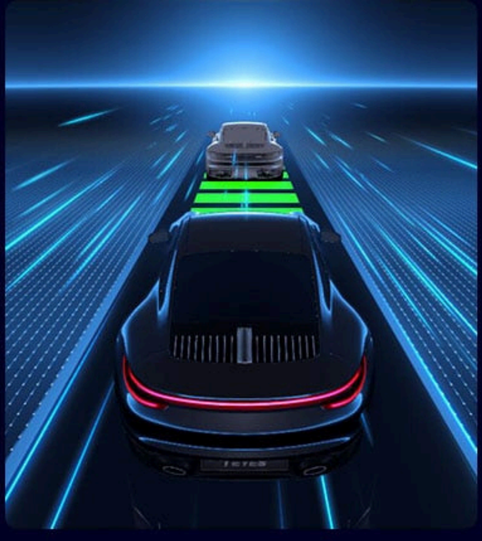
Forward Collision
Warning Distance
Monitoring

1080P

High Definition
Car DVR



FORWARD COLLISION WARNING

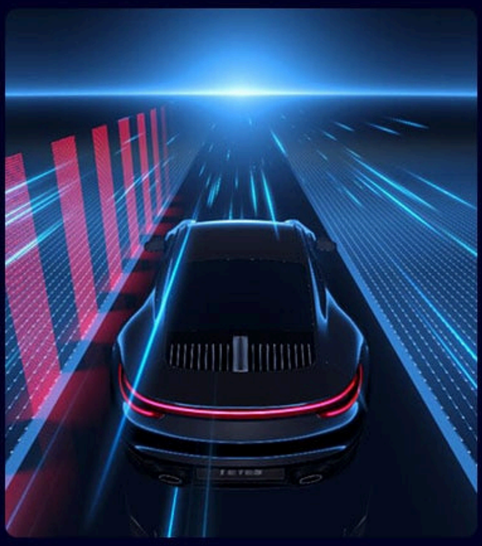


Front Vehicle
Movement Warning



Distance
warning

LANE DEPARTURE WARNING



Left
deviation signal



Right
deviation signal

HD AR DVR



Click on

AR DVR from Teyes is perfect for CC3 HU. With it, the ADAS driver assistance system will become available to you, which, with the help of sound and animation signals, will warn you about the beginning of the movement of the vehicle in front, violation of the distance, deviation from the lane, etc. You can control the device and view the footage through the CC3 HU.

DRIVING RECORDER

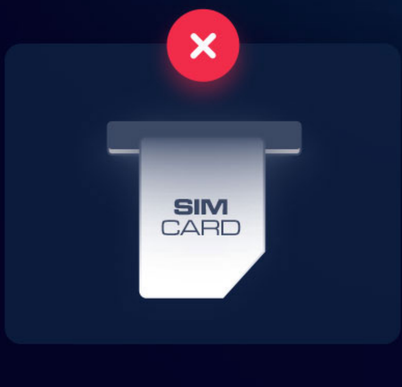
Supports 4G Internet

SIM cards of all operators are suitable



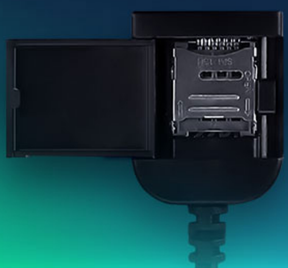
Direction of insertion of the SIM card

The SIM card with the chip is facing the system module, with a bevel outward





External SIM card slot



The device can support the installation of 2 SIM-cards at the same time: built-in SIM-card and SIM-card on an external cable.

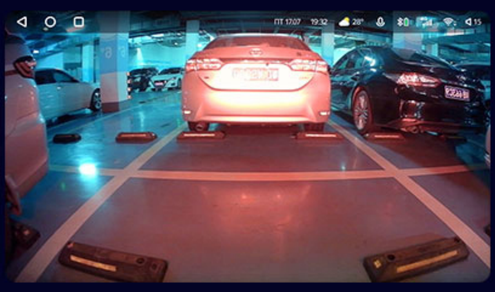
Always On Rear-View Livestream

When the vehicle is driving, you can access the image of the rear view camera. In addition, when you engage reverse gear, the device will automatically switch to reverse mode.



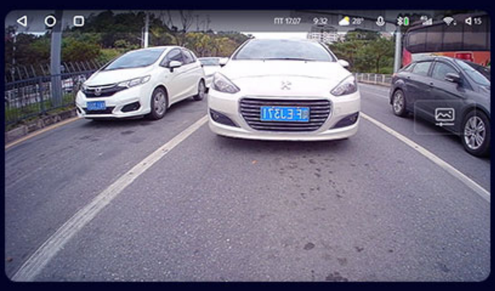
FORWARD COLLISION WARNING

AHD	SONY AHD
Free 1080P Camera Viewing angle: 120°	SONY 1080P camera Viewing angle: 160°



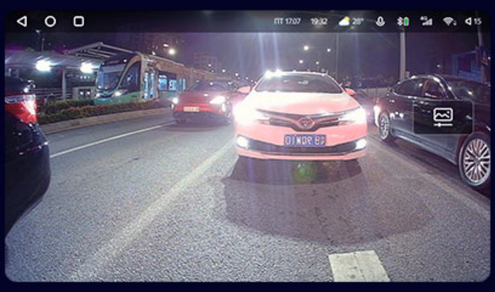


Comparison of real shots in underground parking lots





Comparison of real shots during the day





Comparison of real shots at night

Camera with streaming media



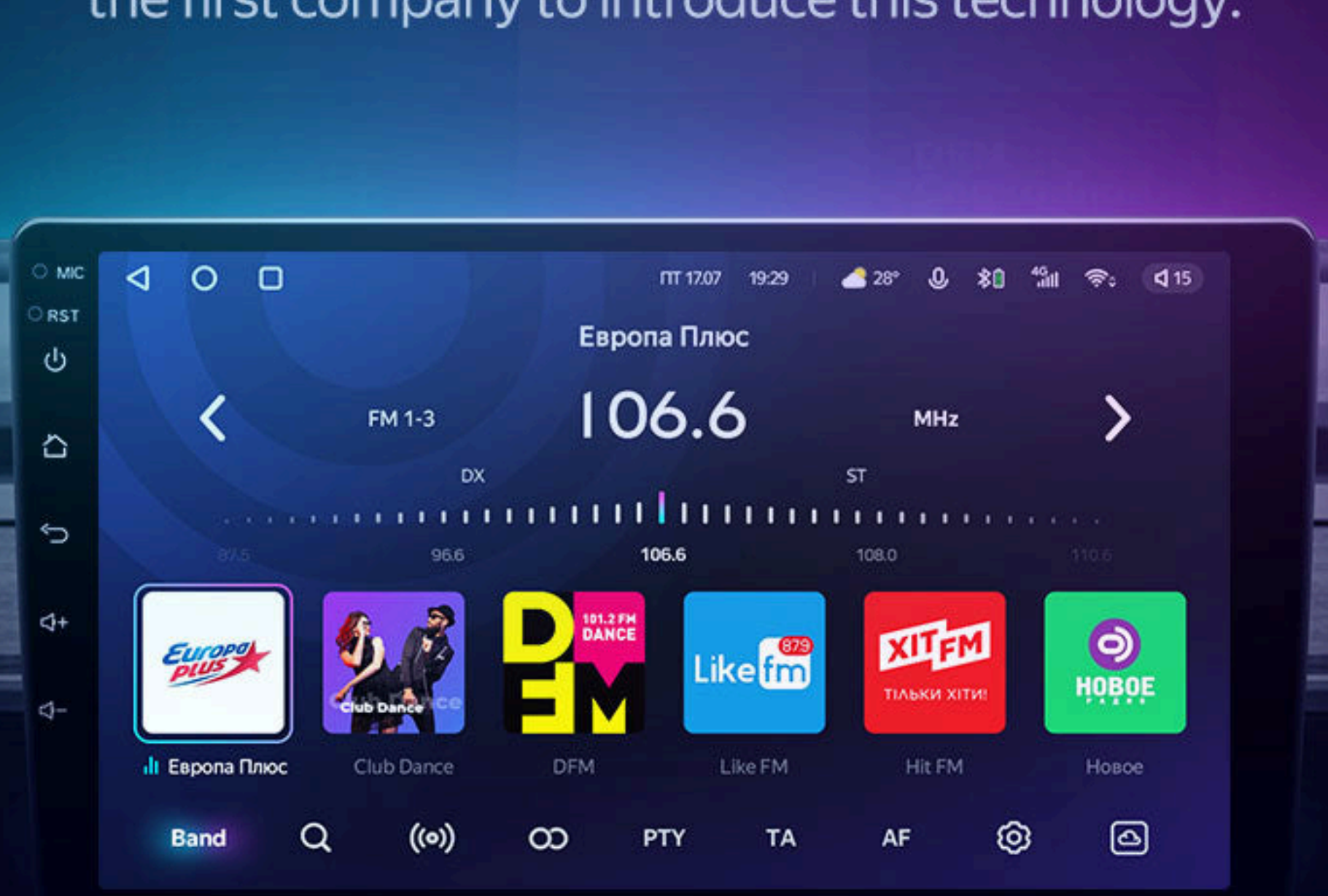
Click on

Camera with streaming media, you can purchase a camera with an even wider viewing angle and sharper night vision. In the future, we will provide new CC3 software that supports recording video from a rear view camera and then saving the files to a memory card. We are currently working on the implementation of this feature.

CAMERA COMPARISON

Station name and station cover

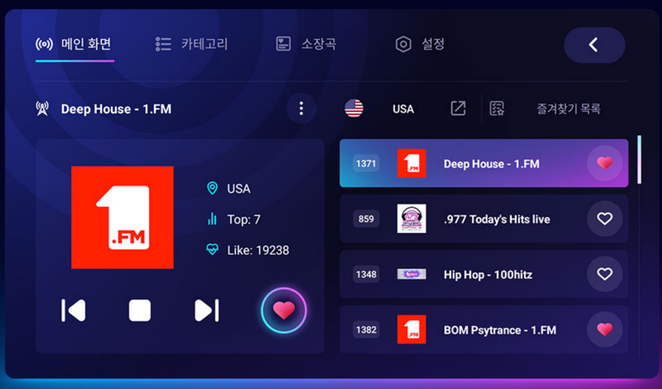
The radio station logo on Teyes CC3 has been updated. We have saved radio stations on servers in all cities of Russia, Belarus, Ukraine, Kazakhstan. After connecting to the network, you can download the sites in your area. TEYES is the first company to introduce this technology.



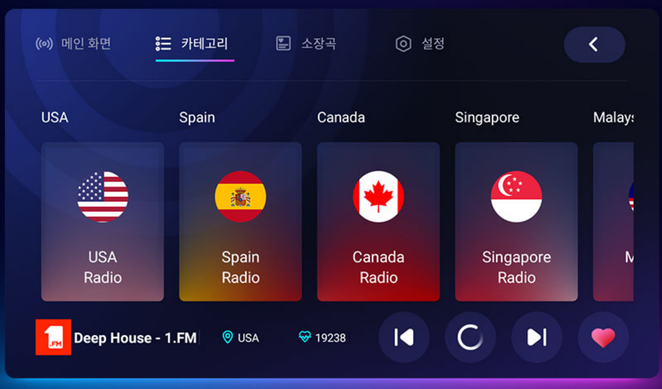
LOCAL RADIO

Internet radio TEYES Radio

TEYES Radio is software for listening to radio stations online over the Internet. Compared to a standard radio player, online radio stations have no noise interference and allow you to enjoy the best listening experience. The application supports radio stations in 15 countries of the world and thousands of radio channels. This software is specially designed for TEYES devices and will be provided to TEYES users for an unlimited period of time.



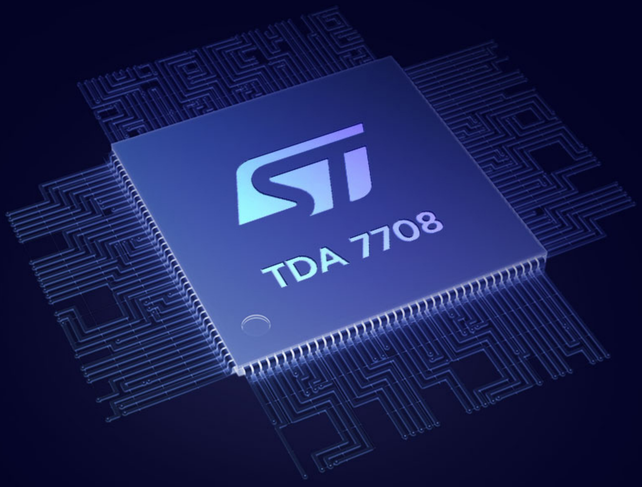
TEYES RADIO



Radio station categories

Excellent radio signal

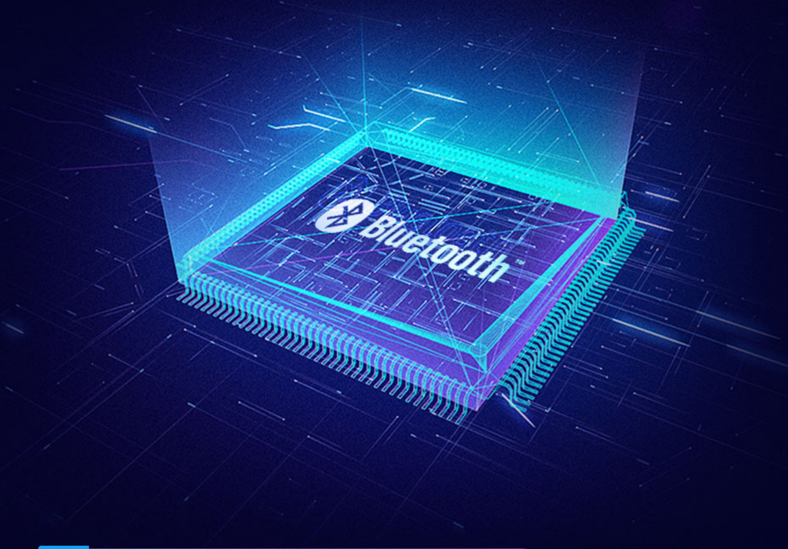
The Dutch radio module TDA7708 supports the RDS function (recognition of text information of radio stations), minimal sound interference and high sensitivity to radio station signals. The signal is noticeably more stable, which is especially noticeable in areas with difficult terrain and when driving at high speeds.



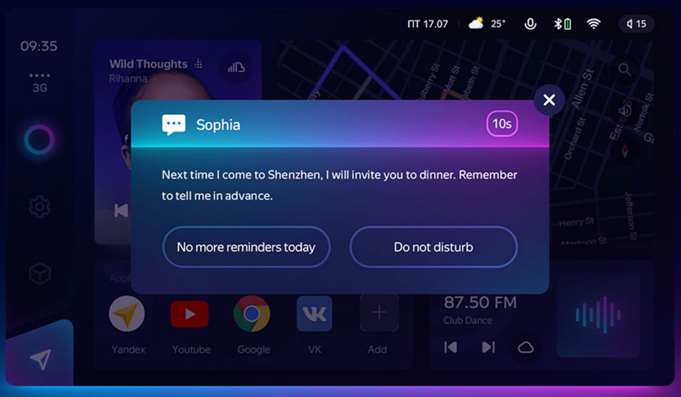
RADIO CHIP

Bluetooth module Realtek 8761

Compared to built-in Bluetooth, the independent Bluetooth module has all the full functions. The connection is more stable and the phone conversation effect is even better.

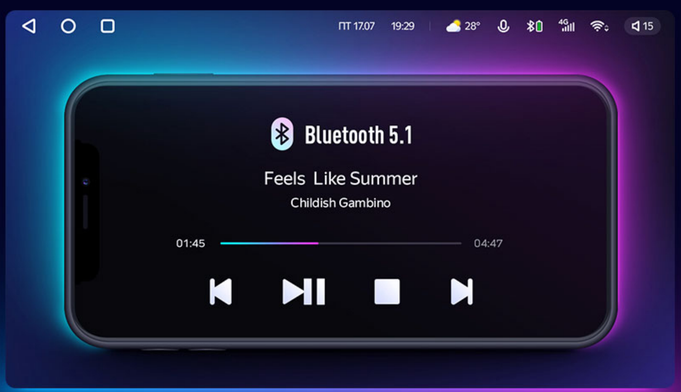


BLUETOOTH CHIP



Reading SMS messages is supported. Only on condition that the permission to read SMS is set in the Bluetooth settings of your mobile phone

BLUETOOTH SMS DISPLAY



Supports phone battery display, flicker effect and voice call control.

Bluetooth Music

UI display collection

Carefully designed by the TEYES team



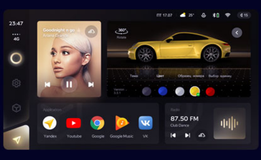
USER INTERFACE



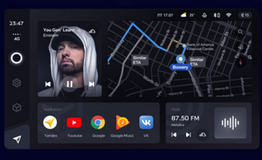
Home page



Home page



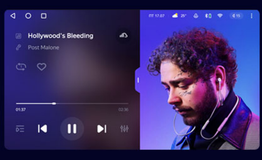
Home page



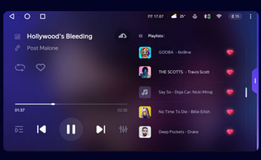
Home page



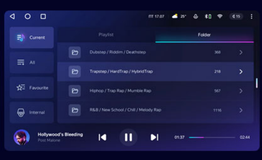
Applications



Music player



Music player



Music playlist



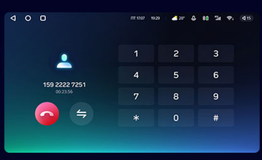
Radio



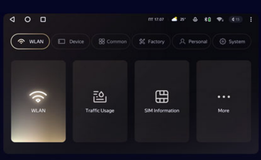
Bluetooth music



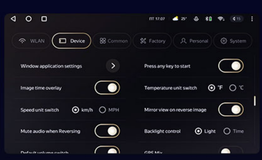
Bluetooth phone



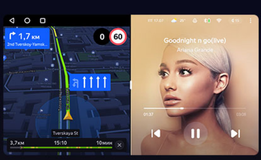
Incoming call



Settings



Settings



Split screen

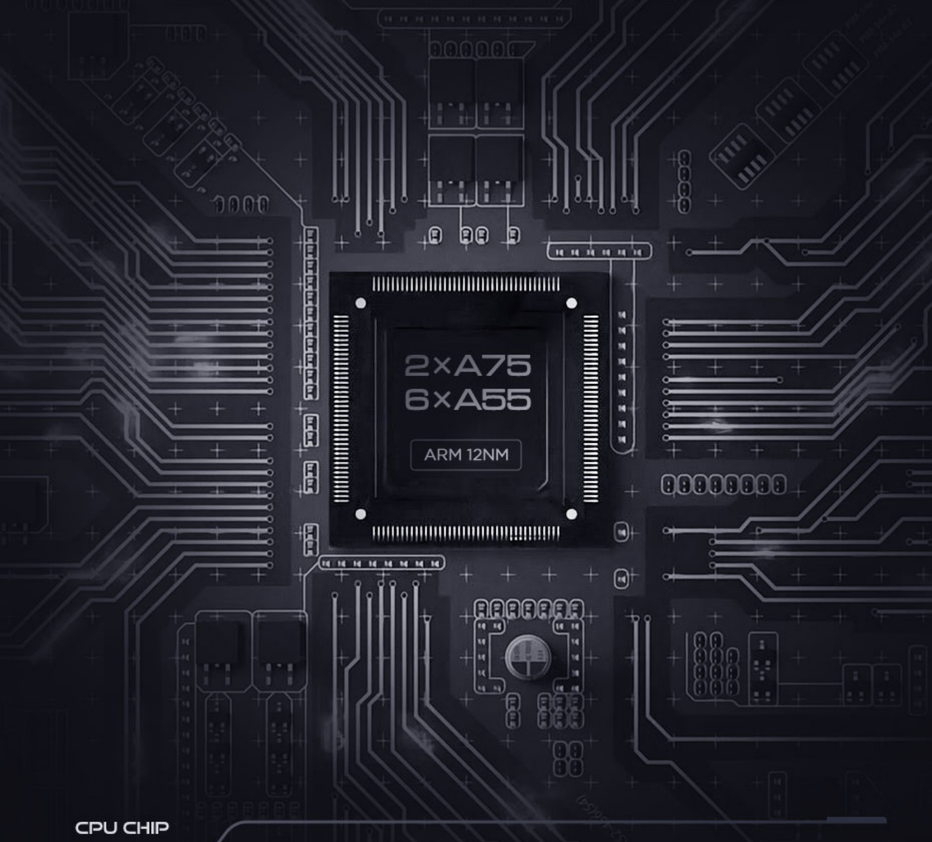


Control Panel

USER INTERFACE DISPLAY

12NM processor - faster speed and less heat dissipation

To achieve this result, the CPU size was reduced to 12NM. Compared with the size 14NM, the productivity is increased by 3 times, and the heat dissipation is reduced from 60-80 to 40-60 C °.



CPU CHIP



The TEYES CC3 does not need a cooling fan because the heat dissipation is not high. But, some users insist on having a fan, so we added it to the configuration.

COOLING FAN CONTROL

Parameter table

CC3



PRODUCTS SHOW

Model **CC3**	CPU **8 core 1.8G 64-bit Unisoc UMS512 2*Cortex A75 + 6*Cortex A55 ARM 12NM**
Inner memory **3G RAM + 32G ROM 4G RAM + 64G ROM 6G RAM + 128G ROM**	Screen **2.5D Tempered Touch Screen + QLED Quantum Dot Display**

Due to system files, the actual ROM size is slightly smaller than specified

Resolution **1280*720**	Screen size **9.0 or 10.2 inches**	DSP **ROHM32107 ADAU1701**
Internet **4G + 2.4G WiFi 5G WiFi**	Navigation **GPS + Beidou + GLONASS**	OC **Android 10 API level 29**

4G band support

GSM : GSM850 EGSM900 DCS1800 PCS1900

WCDMA : BAND1 BAND2 BAND5 BAND8

TD-SCDMA : BAND34 BAND39

TDD-LTE : BAND34 BAND38 BAND39 BAND40 BAND41N

FDD-LTE : BAND1 BAND2 BAND3 BAND5 BAND7 BAND8

E : BAN20 BAND28A

Power consumption during shutdown: **≤7 mA**

After turning off the car and not using it for three days, Teyes HU will automatically turn off the power of the device and switch it from sleep mode to complete shutdown. This ensures that the vehicle's battery will not run out.

Chip audio amplifier **TDA7851**	Equalizer **27 band equalizer**	Bass boost, time delays, sound filter **Support**

Board with changeable key color **Support**	External microphone and external SIM **Support**

Audio output

Fiber optic and coaxial digital output Supports 5.1 channel audio output (4 speakers + 1 subwoofer + 1 center speaker)

Gyroscope **Support**	Steering wheel button control **Short press + long press**
Bluetooth **Realtek8761**	Reverse **AHD 1920*1080, high definition**
USB **3 USB 2.0 outputs**	Radio chip **TDA 7708 (Dutch with RDS)**

Supported accessories

USB DVR, TPMS, diagnostic adapter OBD

PRODUCT PARAMETER

The power of creativity and hard work discover new technologies

TEYES team is constantly committed to implementing innovative ideas and exploring the infinite possibilities of the future





DEVELOPMENT PROCESS