JETI model

duplex

DC/DS-24 II

2.4GHz & 900MHz NG

Dual Band System

Part I. - User manual

EN

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1 Introduction

1.1 DUPLEX DC/DS-24II

Thank you for buying the JETI Duplex DC/DS-24II transmitter. This is a High-End transmitter that will surely satisfy all users. Duplex is a JETI model remote control system with maximum reliability and safety.
The DUPLEX DC/DS-24II transmitters were developed and produced with the cooperation of professional engineers and world champion pilots. It's a modernized version of the proven DC/DS-24 transmitters. The design goals were maximum utility, durability, and reliablity of their mechanical parts along with simple handling. The metal case, with its chemically resistant finish, provides maximum protection for the interior components. The straightforward case shape makes servicing easy. The all-metal, ball bearing equipped, control gimbals with their magnetic Hall sensors are another revolutionary design concept used to make the DC/DS among the world's most advanced R/C systems.
The large LCD display located on the top of the transmitter offers perfect readability in any lighting conditions and a wide viewing angle. The new graphical software gives the user a simplified and intuitive setting not only of the transmitter, but also of other supported connected devices in the model. Internal WiFi and Bluetooth communication modules extend the transmitter with new functions and options. In the products of the DUPLEX EX series, full telemetry, data transfer and their processing to LCD transmitters, as well as analysis in a PC, are already integrated as standard. The transmitter allows the setup of voice notifications, both preinstalled and user created, which can be related to telemetric values, user set alarms, or signals which have been assigned to conditions of various control elements.

1.2 Features

Duplex 2.4GHz – the DC/DS transmitters feature the Duplex 2.4GHz, frequency hopping, digital, data stream system, originally developed by JETI model in the Czech Republic. For higher security, the transmitter is equipped with two separate RF modules for the 2.4 GHz band. This system has been reliably used for many years.

Duplex 900MHz NG (Next Generation) - transmitters have a backup RF module working in the 900 Mhz band. Doubled two-band data transmission in this way ensures unparalleled security and reliability of the system.

Bluetooth module - connection to wireless headphones for audio transmission or to mobile phones and tablets to display telemetry.

Wi-Fi module - extending the connectivity of the transmitter by the access to the Internet (this function will be gradually released and updated through free updates).

Integrated telemetry - DUPLEX transmitters are developed to display and use telemetry for model control. Transmitters display all telemetry and also offer the possibility to use telemetry data for control of any functions in the model.

Precise Gimbals – the transmitter gimbals are equipped with Hall sensors and ball bearings for precision movement with an almost unlimited lifespan.

LCD Display – color 4" LCD display with 480 x 480 resolution which is highly visible under any light conditions.

Li-Ion Battery – provides a proven and reliable energy source with a high capacity (6200mAh) and a long service life.

Easy Charging – *USB-C* plug for connecting to the charger or PC.

Integrated Antenna - built in antennas are fully protected against mechanical damage.

Large Memory – Internal SD card for storing models, sounds, and telemetry data.

USB-C plug – convenient connection to your PC. Fast firmware & sound upgrades, telemetry data downloads.

Fast Navigation – **„3D"** rotary-button interface combined with function keys allow for speedy navigation within the transmitter menu.

Digital Trims – fully programmable trims and a revolutionary automatic trimming function.

Swappable and Assignable Switches – All the switches on the DC/DS transmitters (2- or 3-position) can be easily moved and assigned to create a custom configuration that works best for your application.

Programming – the logical and intuitive transmitter firmware is designed to be simple to use (just follow the step-by-step screens). The creation of a new model can be accomplished with just a few easy steps.

Sounds/Alarms – the DC/DS transmitters are equipped with audible alarms and also allows the use of user-recordable alarms and sounds to keep you fully informed while also keeping distractions to a minimum.

Integrated microphone with voice recognition capability - using the integrated microphone you can easily prepare your own audio files. Furthermore, you can teach the transmitter to respond to several voice commands.

For the transmitter to be usable without compromise for all modeling disciplines, its menu is quite comprehensive. Therefore, we recommend that you familiarize yourself with the settings of the transmitter. Then you will be able to take full advantage of its advantages and possibilities. The transmitter has a menu sorted into logical groups and is equipped with a context-sensitive help, which you can open on the transmitter display at any time during setup.

This part of the manual is intended to introduce you to the functions of the transmitter step by step and in a logical order. It guides you through basic transmitter setup and shows examples of creating a new model.

1.3 Manual Navigation

Important parts of the instructions are separated from the text andhighlighted according to importance.

Advice	***Note***	***Warning***

In this part of the manual, you will find the construction of the transmitter and the possibilities of its mechanical adjustment according to the needs of the user. For software settings and model settings, use the first part of the manual or the context-help that is part of the transmitter.

1.4 Package contents DC 24 II

1. JETI DC-24II transmitter. **2.** Aluminium Case. **3.** Charging adapter for the transmitter. **4.** USB-C PC Cable. **5.** 4-point Adjustable Harness. **6.** REX12Assist Receiver . **7.** Duplex Pad. **8.** Tool kit. **9.** Cleaning cloth. **10.** User Manuals

1.5 Package contents DS 24 II

1. JETI DS-24II transmitter. **2.** Aluminium Case. **3.** Charging adapter for the transmitter. **4.** USB-C PC Cable. **5.** Adjustable Harness.

6. REX12Assist Receiver . **7.** Duplex Pad. **8.** Tool kit. **9.** Cleaning cloth. **10.** User Manuals