

Xiegu VK-6

XIEGU VK-6 Iambic CW Morse Code Key User Manual

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your XIEGU VK-6 Iambic CW Morse Code Key. The VK-6 is designed for amateur radio operators seeking a precise and durable dual-paddle key for Morse code communication. It features high-quality construction and adjustable settings to suit individual keying preferences.

PRODUCT FEATURES

- **Iambic Dual-Paddle Design:** Facilitates efficient dot-dash combinations using Iambic A/B keying for faster and more precise Morse code transmission.
- **Precision-Adjustable Feel:** Each paddle offers independent tension and spacing adjustment, allowing fine-tuning of responsiveness. Adjustment tools are included.
- **High-End Construction:** Manufactured from CNC-machined aluminum alloy with silver-plated copper contacts and a sandblasted finish for enhanced durability and corrosion resistance.
- **Smooth Magnetic Centering:** Features a magnetic return mechanism for consistent paddle feel with zero friction. Polished carbon fiber paddles provide a comfortable touch.
- **Plug-and-Play Compatibility:** Equipped with a standard 3.5mm plug and included PVC cable for direct connection to most HF radios, including Xiegu G90, X6200, X6100, G106, and X5105.

PACKAGE CONTENTS

- XIEGU VK-6 Iambic CW Morse Code Key
- 3.5mm PVC Connection Cable
- Adjustment Tools (Hex wrenches)



The Xiegu VK-6 Iambic CW Morse Code Key, shown with its included 3.5mm cable and adjustment tools.

SETUP INSTRUCTIONS

1. **Placement:** Position the VK-6 key on a stable, flat surface. The key's weight and non-slip bottom are designed to keep it secure during operation.
2. **Connection:** Locate the 3.5mm key jack on your compatible HF radio. Insert one end of the provided 3.5mm PVC connection cable into the jack on the VK-6 key and the other end into your radio's key jack.
3. **Radio Configuration:** Refer to your radio's instruction manual to ensure it is configured for external Iambic keyer input. Most modern radios have a built-in electronic keyer that will work with the VK-6.



The Xiegu VK-6 Iambic CW key connected to a Xiegu radio, illustrating a typical setup for amateur radio operation.

OPERATING THE VK-6 IAMBIC CW KEY

The VK-6 is an Iambic dual-paddle key, meaning it works with an electronic keyer (typically built into your radio) to generate Morse code characters. It supports Iambic A and Iambic B modes, which allow for automatic generation of alternating dots and dashes when both paddles are held.

Basic Operation:

- Tap the **dot paddle** (typically the left paddle) for a single dot.
- Tap the **dash paddle** (typically the right paddle) for a single dash.
- For Iambic keying, hold the dot paddle and then tap the dash paddle to generate a sequence like 'didahdidah' (Iambic A) or 'didahdidah' starting with the opposite element (Iambic B), depending on your radio's keyer settings. Consult your radio's manual for specific Iambic mode behavior.

Adjusting Paddle Tension and Spacing:

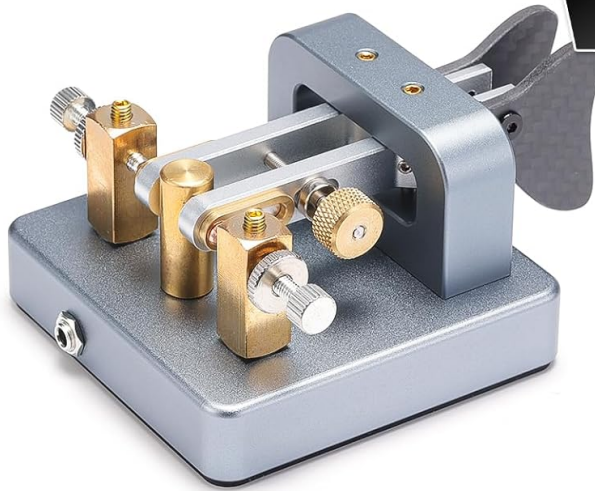
The VK-6 allows for precise customization of paddle feel. Use the included hex wrenches to adjust the following:

- **Paddle Spacing:** Adjust the distance between the paddles to match your preference for comfortable keying.
- **Paddle Tension:** Fine-tune the spring tension for each paddle independently to achieve your desired tactile feedback. Ensure adjustments are made evenly to maintain consistent operation.



Detailed view of the VK-6's dual paddle mechanism, highlighting the silver-plated copper contacts and adjustment screws for spacing and tension.

VK-6



- ✓ CNC Aluminum
- ✓ Precision-Cut Design
- ✓ Rust-Free & Fade-Resistant
- ✓ Premium Look & Feel

OTHERS



- ✗ Plastic Build
- ✗ Light & Wobbly
- ✗ Wears Out Easily
- ✗ Basic Appearance

Close-up showing the independent tension and spacing adjustment points on the VK-6 paddles for personalized feel.

MAINTENANCE

The XIEGU VK-6 is designed for low maintenance due to its robust construction and magnetic return mechanism. To ensure optimal performance and longevity:

- **Cleaning:** Periodically wipe the key with a soft, dry cloth to remove dust and debris. Avoid using abrasive cleaners or solvents.
- **Contact Care:** The silver-plated copper contacts are designed for durability. If any contact issues arise, gently clean the contact surfaces with a specialized electronic contact cleaner, ensuring the key is disconnected from the radio first.
- **Storage:** When not in use, store the key in a clean, dry environment to prevent dust accumulation and potential damage.

TROUBLESHOOTING

- **No Keying Response:**
 - Ensure the 3.5mm cable is securely connected to both the VK-6 and your radio.
 - Verify your radio's settings are configured for an external keyer and the correct keyer mode

(e.g., Iambic A/B) is selected.

- Check for any damage to the connection cable.

- **Inconsistent Keying:**

- Inspect the paddle contacts for any dirt or obstruction. Clean if necessary.
- Re-check paddle tension and spacing adjustments to ensure they are set correctly and securely.

- **Key Slides on Desk:**

- Ensure the non-slip pads on the bottom of the key are clean and intact.
- Place the key on a surface that provides good friction.

PRODUCT SPECIFICATIONS

Specification	Detail
Model	VK-6
Dimensions (L x W x H)	4.3 x 3.4 x 1.9 inches (110 x 86 x 48 mm)
Weight	1.48 pounds (537 grams)
Material	CNC Aluminum Alloy Base, Carbon Fiber Paddles, Silver-Plated Copper Contacts
Connection	3.5mm Audio Jack
Compatibility	Xiegu G90, X6100, X6200, X5105, G106, and other compatible HF radios



XIEGU VK-6 CW DUAL-PADDLE KEY

for G90 / X6100 / X6200 / G106 / X5105



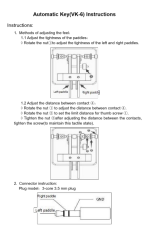
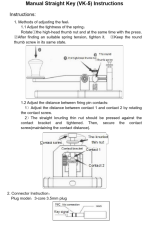
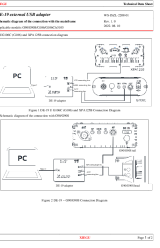



Diagram illustrating the dimensions of the Xiegu VK-6 key: 4.3 inches (110mm) length, 3.4 inches (86mm) width, and 1.9 inches (48mm) height, with a weight of 18.9 oz (537g).

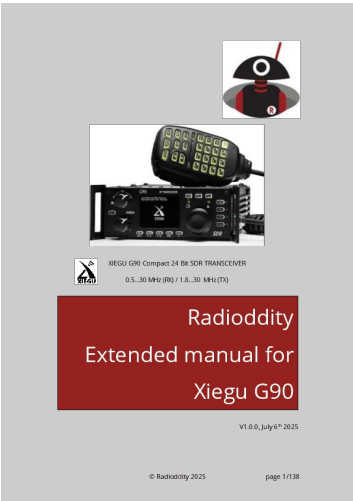
SUPPORT

For further assistance, product information, or to explore other Xiegu products, please visit the official Xiegu Store:

[Visit the Xiegu Store](#)

Related Documents - VK-6

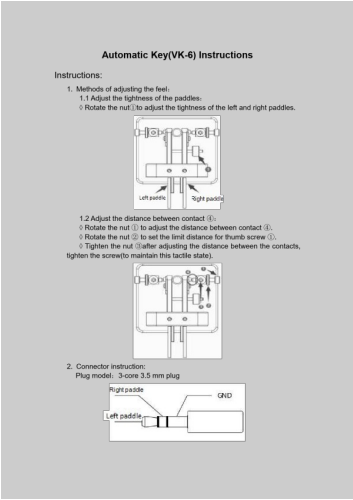
	<p>Automatic Key (VK-6) Instructions and Setup Guide</p> <p>Detailed instructions for adjusting the feel and connecting the Xiegu VK-6 Automatic Key, including paddle tightness, contact distance, and 3.5mm plug configuration.</p>
	<p>Xiegu VK-5 Straight Key User Manual and Instructions</p> <p>Detailed instructions and setup guide for the Xiegu VK-5 Straight Key, covering adjustments for feel, contact distance, and connector configuration.</p>
	<p>XIEGU DE-19 External USB Adapter: Connection Diagrams and Software Setup Guide</p> <p>Technical data sheet for the XIEGU DE-19 external USB adapter, featuring connection diagrams for G90, G90S, G106, G106C, X5105, and XPA125B, along with PC control software setup instructions for JTDX and OmniRig.</p>
	<p>Xiegu DE-19 Data Interface Expansion Adapter User Guide</p> <p>Explore the Xiegu DE-19 Data Interface Expansion Adapter, a versatile accessory for PC control and data communication with Xiegu G90, G106, and X5105 HF radios. This guide covers software setup and connection diagrams for seamless integration.</p>
	<p>Xiegu G90 Portable HF SDR Transceiver User Manual</p> <p>Comprehensive user manual for the Xiegu G90, an ultra-miniature 24-bit SDR HF transceiver. Learn about its basic features, panel buttons, connections, and operating modes for amateur radio communication.</p>
	<p>XIEGU RADIO CI-V Reference Guide</p> <p>Comprehensive reference guide detailing CI-V commands, sub-commands, data formats, and descriptions for XIEGU radio transceivers, including models like G90, G106, and X6100. This document outlines the communication protocol for controlling radio functions.</p>



[Xiegu G90 Extended Manual: Comprehensive Guide](#)

An in-depth manual for the Xiegu G90 SDR transceiver, covering setup, operation, advanced features, firmware updates, and troubleshooting. This guide is designed for both new and experienced radio amateurs.

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[Automatic Key \(VK-6\) Instructions and Setup Guide](#)

Detailed instructions for adjusting the feel and connecting the Xiegu VK-6 Automatic Key, including paddle tightness, contact distance, and 3.5mm plug configuration.

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