TASHA

AMPLIFICATION

# Tasty 19 RV


## User Manual

AMPLIFICATION

# „Tasty 19 RV“

**in**

**Connected Combo Design®**

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**User Manual**
**&**
**Technical Information**

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**Version 0.1/2022**

## Foreword

Thank you for choosing the **Tasty 19** from **TASHA AMPLIFICATION**. You now own a 19-watt all-tube amplifier in the "Connected Combo Design" of the highest quality. This is a fully hand-built and wired amplifier (handwired – point to point) with a Clean Channel and its corresponding Connected Combo Box. The **Tasty 19** was developed and built by people who, as musicians themselves, take guitar sound and quality very seriously. Therefore, this product has been designed and manufactured with high-quality components and great care to meet all your professional demands. Our goal was to create an amplifier that not only sounds fantastic and is easy to use but is also built to provide you with years of reliable service.

Please take a moment before first using the **Tasty 19** to carefully read this user manual, register online on our website, and complete the warranty form.

Thank you again, and now enjoy your new **Tasty 19**!

# Table of Contents

# 1. Warnings

## 1.1 Warnings and Safety Regulations

For product liability reasons, we are required to clearly highlight certain safety aspects, which must not be overlooked under any circumstances. With all due respect, we ask you to carefully follow the checklist listed below. The device must not be stored or operated in a damp or wet environment. Before connecting to the mains, ensure that the voltage of the device matches the voltage specifications of the local power supplier. If the specifications of the power supplier do not match the voltage indicated on the back of the amplifier, the device must never be connected to the mains. The device should only be opened by qualified personnel. Inside the amplifier, there are hazardous voltages that can remain stored even after the device is turned off. Additionally, there are no components inside the amplifier that can be replaced or serviced by the user. The device is for amplifying a guitar signal and should only be used for this purpose. Operating the amplifier without a connected load (speaker box) is not permitted. The amplifier is a tube amplifier. The electron tubes used are sensitive to strong vibrations, especially when heated (up to 30 minutes after the device is turned off). To prevent damage, transport and setup should be handled carefully. Strong temperature fluctuations should be avoided. Especially, moving the device from a cold transport vehicle to a warm stage can cause condensing moisture, leading to potential damage. Typically, 60 minutes of acclimatization is sufficient. The amplifier should be transported in a robust case and kept in an upright position, avoiding any sideways or upside-down positions. For health reasons, we warn against prolonged exposure to high sound levels, as this could lead to significant and irreversible hearing damage (including long-term effects). Defective fuses must only be replaced with equivalent fuses. The values specified on the back of the device must not be exceeded or fallen short of, as this could even cause the device to be destroyed. Only use the provided power cable or an equivalent three-wire power cable with a protective contact for the mains connection.

## 2. The Top Unit

### 2.1 Connecting to the Connected-Combo-Box

The **Tasty 19** Top Unit is designed to be securely and stably connected to the accompanying Connected Combo Box. Once the top unit is connected to the box, the "Combo" can easily be transported using the carrying handle of the top unit. The **Tasty 19** can also be operated with any other standard guitar cabinet that has the appropriate power and impedance. See section 3.2.

## 3. The Connected-Combo-Box

### 3.1 Connected Combo Design®

The Combo Box is specially designed for the **Tasty 19** ("**Connected Combo Design®**"). The top unit is inserted into the designated opening above the box until the rubber feet of the **Tasty 19** click into the corresponding holes. The top unit is then fixed with the central screw, which is located inside the box, behind the upper, foldable rear panel. The central screw should be tightened by hand to ensure the **Tasty 19** stands securely in place. The **central screw** is secured against over-tightening. Once the top unit is fixed, it is automatically connected to the speaker, as the contacts are now closed. See section 5.2.4. The concept of the "**Connected Combo Design®**" is to leave the Combo Box in the rehearsal room and take the top unit (and possibly floor effects) home, where it can be used with a second guitar box with appropriate power and impedance. This design allows for easy transport with minimal weight and space requirements.

### 3.2 Speaker

The Combo Box is equipped with a 100-watt 12" speaker with 8 ohms impedance. This speaker, specifically matched to the **Tasty 19**, is extremely lightweight and has a high efficiency to achieve the best possible sound performance for the amplifier. Naturally, other standard guitar cabinets can also be used with the **Tasty 19**, provided the power (min. 25 watts) and impedance (8 ohms) match the specifications.

An option for a 50-watt speaker with a ceramic magnet is also available, which will make the Combo Box slightly heavier.

# 4. Commissioning

## 4.1 Power Connection, Combi Power Switch (Off-Std.By-On)

### 4.1.1 Power Connection / Mains

Before connecting to the power supply, ensure that the Combi Power Switch "Off-Std.By-On" is set to the "Off" position (tilted downward) and that the operator's mains voltage matches. The device is approved exclusively for operation at 115V (US) – 230V (EU)

### 4.1.2 Combi Power Switch (Off-Std.By-On), Stand-By (warm up)

For the tube warm-up phase, first set the Combi Power Switch to the "Std.By" position (middle position). After approximately 2 minutes, the tubes will have reached the required minimum temperature. The **Tasty 19** is now ready for operation, and the switch can be moved from "Std.By"to"On."

Activating the amplifier too early may significantly reduce the lifespan of its components!

### 4.1.3 Tube Protection

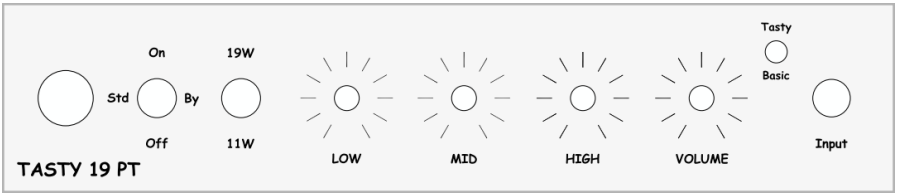
Tubes are components that operate with vacuum and high temperatures. Inside each tube are heating filaments (similar to a light bulb) that heat the internal plates. Switching from "Std.By" too early during warm-up occurs while the plates are still heating up. The plates have not yet been evenly heated, and the tube's so-called operating point has not been reached. This situation places unnecessary strain on the tubes and some neighboring components, leading to premature wear.

### 4.1.4 Optimal Operating Temperature

It takes some time for all components, especially the power components, to reach their optimal operating temperature. A trained ear will notice a slight improvement in sound quality as the amplifier operates for an extended period.

# 5. Connedtions amd Fuses

## 5.1 Front Panel

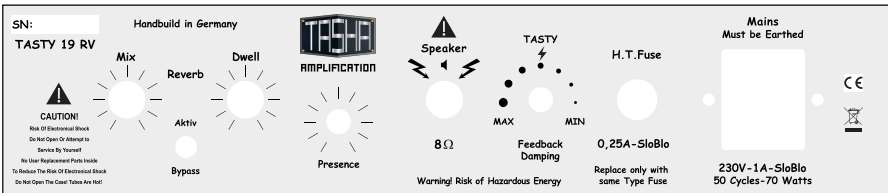



Combi Power Switch (Off-Std.By-On), Poweramp-Switch (19W/11W)
Low, Mid, High, Volume, - Voicing - (Basic/Tasty) Input Jack

### 5.1.1 Signal Input Jack

A guitar is connected to the input jack using a standard 6.3 mm jack plug and guitar cable. The quality of the cable and connection can significantly affect the amplifier's sound quality at this critical point.

## 5.2 Rear Panel




Main Connector with Main Fuse, HT Fuse
Speakerjack, Feedback Damping, Presence
Reveb System (Mix, Dwell)

### 5.2.1 Main Socket

For connecting the included power cable.

### 5.2.2 Fuses

The Tasty 19 contains two fuses that are externally accessible:

- Main Fuse (power supply)
- HT Fuse (high voltage for tubes)
  Fuse specifications are printed below the fuse caps.

### 5.2.3 Reverb System

The reverb system includes a digital reverb unit with a 24-bit FV-1 chip for high-resolution reverb effects. The "Mix" knob adjusts the reverb level, and the "Dwell" knob controls the reverb length. A bypass switch allows the reverb to be removed from the signal path.

### 5.2.4 Speaker-Connedtion / Wireless Integration

The **Tasty 19** features a speaker output with 8-ohm impedance, suitable only for external cabinets of the same impedance.

**For use with the Tasty 19 Connected Combo Box, no speaker cable is required.**

Securing the **Tasty 19** head to the Combo Box via the **central screw** automatically establishes the speaker connection.

When using the **Tasty 19** speaker output while connecting the combo box, the combo box speaker will automatically switch off to avoid mismatch.

## WARNING:

**Never loosen the central screw during operation, as it interrupts the speaker connection, potentially causing severe damage to the device!**

**The amplifier must not be operated without a speaker or equivalent load.**

# 6. Controls

### 6.1 Power / Stand-By Schalter

The Combi Power Switch (Off-Std.By-On) is used to operate the device. See section 4 for detailed instructions.

### 6.2. Clean-Channel

The Clean channel of the Tasty 19 is designed with a modern base tone to offer maximum tonal variety. The tone controls are highly variable and effective.
The Voicing Switch (Basic/Tasty) provides:

- **Basic (down position):** Warm, midrange-focused tones, ideal for jazz.
- **Tasty (up position):** Brighter and clearer tones, suitable for blues and rock.

### 6.3 NFC – Feedback Damping

The Feedback Damping knob adjusts the negative feedback of the power stage, influencing distortion, volume, and treble.

- **Full clockwise (min):** Maximum volume and treble.
- **Counterclockwise (max):** Reduced volume and treble, with a warmer, rounder tone.
- **Middle position ("Tasty"):** Balanced default setting.

## 7. The Preamp of the Tasty 19

### 7.1 Preamp Function

The preamp allows the creation of various clean tones. Note that small adjustments to the tone controls produce significant changes.

### 7.2 Preamp Tubes

- Clean Channel: V1 = 12AY7, specially selected
- Driver Tube: V2 = 12AX7, balanced and specially selected

Only replace these tubes with identical types and specifications to maintain optimal sound quality.

### 7.3 Microphony and Noise

Mechanical interference can cause tube microphony (high-pitched ringing). Check the input tube first if this occurs. Tubes may also cause humming or other noise issues

## 8. The Power Amp of the Tasty 19

### 8.1 Power Tubes

The power stage uses a matched pair of EL84 Premium Tubes, providing about 19 watts in pentode mode or 11 watts in triode mode.

#### 8.2.1 Aging and Replacement

Power tubes are subject to wear. Replace the entire matched pair if one fails, typically every 2-4 years depending on usage. Factory tubes are reliable, and replacements should match the original specifications.

#### 8.2.2 Tube Selection

The factory uses reliable tubes from current production, ensuring optimal quality. Tube types and manufacturers may vary, but factory-installed tubes are guaranteed for 3 months.

### 8.3 Bias Adjustment

Bias adjustment must be performed by qualified personnel only.

## 9. Cleaning and Maintenance

### 9.1 Cleaning

Do not use wet cleaning materials. Clean the exterior with a slightly damp cloth.

### 9.2 Maintenance

Ensure proper ventilation during operation. Avoid placing objects that block airflow around the amplifier.

### 9.3 Tube Replacement

Only qualified personnel should replace power tubes.

## 10.Technical Specifications

### Main Power

115Volt / 60Hz (US-only) - 230Volt / 50Hz (EU)

- **Fuses:**
  - Main Fuse: 2A (US) – 1A (EU)
  - HT Fuse: 0.25A
- **Tubes:**
  - V1: 12AY7, special selected
  - V2: 12AX7, balanced special selected
  - V3, V4: EL84 Premium matched pair

- **Output Power:** ~19W (Pentode), ~11W (Triode) at 8 Ohms

- **Power Consumption:**
  - ~100W at 115V, 60Hz (US)
  - ~50W at 230V, 50Hz (EU)

- **Dimensions:**
  - Head: H=190mm / W=320mm / D=218mm
  - Combo Box: H=450mm / W=460mm / D=220mm

- **Weight:**
  - Head: 5.8 kg
  - Combo Box (100W Neodymium speaker): 8.0 kg
  - Combo Box (50W Ceramic speaker): 10.2 kg

### WARNING:

**No user-serviceable parts inside!**

**Contact qualified personnel for service.**

**Design and utility patents protected.**

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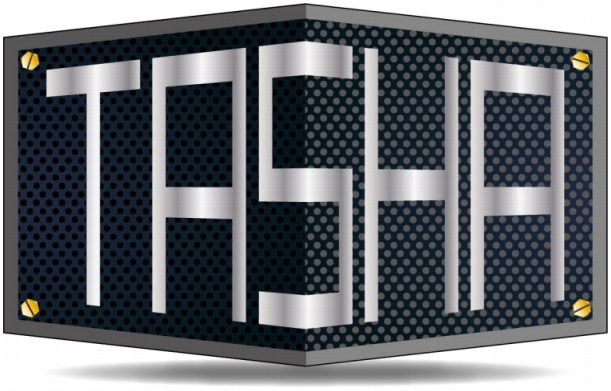


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