# YUER

# XS-02

**LOOPER**
Owner's Manual

**Please read the instructions carefully before using this product**

**Power Supply**
Please use a DC9V, 300 mA power supply.
Using an improper power supply may cause short circuit and damage the equipment.
Please disconnect the power supply when not in use for a long time.

**Safety precautions**

1. Please read the instructions carefully.
2. Heed all warnings.
3. The device can only be used with a power supply providing the specified voltage and current range.
4. Please keep the equipment away from water sources or places with high humidity.
5. Please only use a clean and dry cloth for cleaning the product.
6. To avoid interference, please keep the device away from radio, TV or other devices with magnetic fields when in use.
7. Do not hit or throw the product or subject it to vibrations.
8. Do not allow paper scraps, metal objects, or other objects to fall into the device.
9. Do not drop the device or subject it to shock and excessive pressure.
10. Do not disassemble the equipment for removing internal parts or making any modifications.

1. 44.1 kHz, 16 bit high-quality Looper.
2. 40 Looper storage positions, 4 minutes per position, 160 minutes total recording time.
3. Full-color light bar for real-time indication of Looper status and progress.
4. Built-in 1/8" stereo headphone output jack.
5. "Once" function for stopping immediately after a single playback.
6. "Fade Out" function allows the Looper track to fade out naturally to complete silence.
7. Dual footswitches control different functions of the Looper.
8. USB port for connecting to a computer for importing / exporting / deleting audio data.

- Connect the 9V power supply (negative centre) to the power jack.
- Connect the guitar to the input jack (INPUT-L) with an instrument cable.
- Connect stereo inputs to both the left and right jacks.
- Connect the output jacks of the unit to amplifiers or other effects devices.

1. **Left footswitch:** Controls recording, overdubbing, and playback of LOOPER.
2. **SELECT push-button knob**: Set the recording position, fade time, and Once respectively. Long press to save.
3. **Display screen**: Displays current status information.
4. **VOLUME push-button knob**: Turn to adjust the output volume, press and hold to clear.
5. **Full color light bar**: Indication of the LOOPER's operating status and track length.
6. **Right footswitch**: Controls LOOPER playback, stopping, and removing data.
7. **INPUT-L**: 1/4" Mono audio input jack
   (connect both LEFT and RIGHT input for stereo input)
8. **INPUT-R:** 1/4" Mono audio input jack
9. **OUTPUT-L**: 1/4" Mono output jack
   (connect both output jacks for stereo output)
10. **OUTPUT-R**: 1/4" Mono output jack
11. **USB**: Type-C USB interface for connecting to a PC for data import, export and removal.
12. **Headphone**: 1/8" stereo headphone output jack.
13. **DCIN**: Power jack 9 V / 300 mA (negative centre).

**Looper setting**
Select the parameter to be set by pressing the SELECT knob.

**Memory**: The Looper provides 40 storage positions (from 1...40) for the user. "Stored" is occupied position, "Empty" is position available for storing. Turn the LOOPER knob to browse positions. Use the SELECT knob to select the position.

**Fade out**: Press the Select knob to select the "Fade out" item to set the fade out effect of the track when playback is stopped. The adjustment range is 1~5 seconds, the default is Off.

**Once**: Switches the "Once" single playback function on or off. Press the Select knob to select the "Once" item, and turn the knob to select "On" or "Off".

**Rec and Dub Mode**
Press the Select knob to select "Memory". Then turn the knob to select an empty position. When you press the left footswitch, it will start the recording and the light bar will show red a progress light.

After recording the track, press the right footswitch. The light bar is lit blue and starts to run the progress bar which means the Looper is off recording mode and is playing back the the track.

If you finish recording the track, you can press the left footswitch to start the DUB mode. This way you can record another track over your original track. When you finish the DUB recording, press the left or right footswitch to stop the recording mode and go back on playing the track.

**Note**: When the recording length of the first track reaches 4 minutes, recording mode will automatically stop and playback is started.

**Undo/Redo**
When tracks two or more tracks are recorded and the Looper is playing back the track, you can hold the right footswitch for one second to start the "Undo" function. This means the last track will be removed and the LED bar flashes yellow for a short time. If you hold the right footswitch for one second again, the removed track will be restored and the LED bar flashes yellow for a short time.

**Stop**

In playback mode, pressing the right footswitch will execute the Stop function. The track will stop playing and the light bar will flash white.

When the "Once" function is active in overdub or playback mode, pressing the right footswitch once will execute the Once function and the Once option on the screen will flash to indicate that the Looper track will automatically stop after reaching the end. If the right footswitch is pressed twice in playback mode, the playback will stop immediately.

When the "Fade out" function is active, pressing the right footswitch in playback mode will execute the Fade Out function and the Fade Out option on the screen will flash to indicate that the Looper track playback volume will naturally decay to complete silence and then stop playing. If the right footswitch is pressed twice in playback mode, playback will stop immediately.

When the "Once" and "Fade Out" functions are activated at the same time, and the right footswitch is pressed once in playback mode, both the Once and Fade Out functions will be executed simultaneously. In this state, depending on the length of the Looper track and the time when the right footswitch is pressed, the Once and Fade Out functions will be determined based on the priority end function as the standard for determining the end of playback. The Once function will be started first.

**Clear**

Double-press the right footswitch in playback mode and hold it for one second, or long-press the right footswitch in Stop mode one second to execute track clearing. The light bar flashes red rapidly and then turns off when and the track clearing is complete.

This method only applies to a temporary Looper track which means it has not been saved yet. If the track is already saved, the Clear function can no longer be used. Please see the details on in Page 9.

**Looper data storage**

Open the Save screen by pressing the Select knob for one second.

After all Looper tracks are recorded and you need to save the data
rotate the knob to select YES/NO and press it again to execute the
operation. When the progress bar finishes running, the saving is completed and the Memory
name will be changed from Empty to Stored.

* If no new track is recorded in DUB mode after saving, the Undo/Redo function will not be
available.

**Clear Looper data**

Open the Save screen by pressing the VOLUME knob for one second.

Select the Looper position where data has been saved then press and
hold the Volume knob for one second until a prompt pops up on the
screen. Please rotate the knob to select YES/NO and press again to
execute the operation. After the progress bar runs to completion, the deletion is completed
and the Memory name is restored to Empty.

**Looper playback volume control**

Turn the Volume button knob to adjust the volume of Looper playback. The screen temporarily displays the volume parameter information during the adjustment. The adjustment range is -∞ to 6 dB. Factory default is 0 dB.

Use the USB cable on the USB port of the XS-02 to connect to the computer. At this time, the XS-02 will stop Looper playback and will not be able to carry out any operations. The screen will display 'USB Connected' to indicate a successful connection.



Click "My Computer" in Windows or "Finder" in MacOS, find the drive named 'XS-02' and click to open it.

Find the 'WAVE' folder on the drive and click to open it, the WO1~W40 sub-folders in the folder correspond to the 40 Looper storage locations in the XS-02 device.



**Data Export**
In the 'WAVE' folder, click to open the subfolder with the existing audio data, and then drag and drop or copy the audio files to other folders to complete the data export.

**Data Import**
In the 'WAVE' folder, click to open the subfolder corresponding to the location where the track is stored in the Looper. If there is no file in the subfolder, it means there is no track data in the current Looper location.

Data import is completed by copying an audio file (only 44.1 kHz / 16 Bit WAV stereo audio file is supported) to a subfolder of a Looper location with no track data. The name of the audio file should be changed to "RECXX" ("XX" must be changed to represent a number. For example: if you want to import to W01 then you need to change name to REC01).

After disconnecting the USB connection, the screen returns to normal display. At this time, switching to the Looper location where the data was previously imported will display the existing data at that location.

**Notes**:
1. If the imported audio file is longer than 4 minutes, the Looper will capture the track within the first 4 minutes of the file and play it in a loop. The rest of the track which is beyond 4 minutes will be deleted.
2. If the imported audio file does not meet the format requirements (44.1 kHz / 16 bit WAV stereo audio file) or is not modified to the correct file name (RECXX) after importing, the file will not be recognized and will not be valid for import.

**Delete data**
Click on the 'WAVE' folder to open a subfolder containing existing audio data, and delete the audio files in the subfolder. After disconnecting the USB connection and switching to the memory location of the Looper, it will show "Empty".

| Algorithm | Maximum recording time of each track | 4 minutes |
|---|---|---|
| | Maximum number of recording tracks in each slot | no limitation |

| | **INPUT** | |
|---|---|---|
| | Type | 2 x 1/4" unbalanced mono audio jacks |
| | Input impedance | 2 MOhm |
| | Maximum input level | 3 dBu |
| **INPUTS** | **A/D Conversion** | |
| | Sampling rate | 44.1 kHz |
| | Sampling accuracy | 16 bit |
| | Dynamic | +5.74 dB |
| | Frequency | 20 Hz ~ 20 kHz +0/-1 dB |

| | | OUTPUT |
|---|---|---|
| | Type | 2 x 1/4" unbalanced mono audio jacks |
| | Output impedance | 470 ohm |
| **OUTPUTS** | Maximum output level | 3 dBu |
| | | A/D Conversion |
| | Dynamic | +5.74 dB |
| | Frequency | 20 Hz ~ 20 kHz +0/-1 dB |
| | | |
| | | USB |
| | Type | TYPE-C |
| **Other** | | HEADPHONE |
| | Type | 1 x 1/8" unbalanced stereo jack |
| | Output impedance | 32 Ohm |
| | | |
| | Power supply | DC9V / 300 mA (negative centre) |
| **Other** | Size | 123 mm X 77 mm X 49 mm |
| | Weight | 410 g |

# YUER

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**XS-02 LOOPER**     ⌂ Ⓕ Ⓒ ⒺⒽⓈ RoHS 🗑     **MADE IN CHINA**