

# About the Wireless LAN Function

## Check the version

The wireless LAN function was added in TD-30 version 1.10. If the version is earlier than 1.10, download the update from the support page (<http://www.roland.com/support/>) → **Downloads** → product name (TD-30) → **TD-30 System Program Version 1.10**, and update your TD-30.

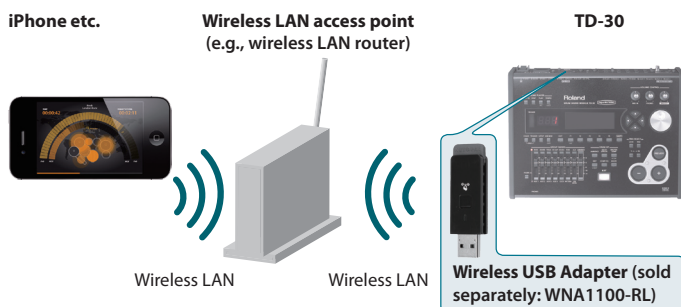
\* If this supplementary manual was included with a new TD-30 you purchased, your instrument has already been updated to version 1.10 or later; you do not need to update.

### How to check the version

Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F4] (INFO) → [F5] (VERSION) button.

## What is Wireless LAN function?

By inserting the wireless USB Adapter (WNA1100-RL; sold separately) into the TD-30's USB MEMORY port, you'll be able to use wireless-compatible applications (such as the "V-Drums Friend Jam for iPhone" iPhone app).



## Items required to use the wireless LAN function

- Wireless USB Adapter (sold separately: WNA1100-RL)
- Wireless LAN access point (e.g., wireless LAN router) \*1 \*2 \*3
- iPhone or iPod touch etc.

\*1 The wireless LAN access point you use must support WPS. If your wireless LAN access point does not support WPS, you can connect using the procedure described in "Connecting to a Wireless LAN Access Point That You Select (SELECT ACCESS POINT)" (p. 2).

\*2 The ability to connect with all kinds of wireless LAN access points is not guaranteed.

\*3 If you're unable to connect to the wireless LAN access point, try connecting using Ad-Hoc mode (p. 3).

## Basic Connection Method (Connect by WPS)

The first time you connect the TD-30 to a wireless network, you'll need to perform the following procedure (WPS) to join the wireless network.

This procedure is required only the first time. (Once you've joined the network, this procedure will no longer be necessary.)

### What is WPS?

This is a standard that makes it easy to make security settings when connecting to a wireless LAN access point. We recommend that you use WPS when connecting to a wireless LAN access point.

### 1. Turn OFF the TD-30.

### 2. Insert the wireless USB Adapter (WNA1100-RL; sold separately) into the TD-30's USB MEMORY port.

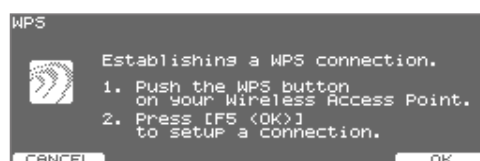
### 3. Turn ON the TD-30.

Wait until the following icon appears in the upper of the DRUM KIT screen.



### 4. Press the button of the Wireless USB Adapter (sold separately: WNA1100-RL).

The WPS screen will appear.



### NOTE

\* If you apply excessive force to the USB adapter when pressing the button, you may damage it. Please use caution.

### 5. Perform the WPS operation on your wireless LAN access point (e.g., press the WPS button on your wireless LAN access point).

For details on WPS operation of your wireless LAN access point, refer to the documentation for your wireless LAN access point.

### 6. Press the [F5] (OK) button of the TD-30.

Once successfully connected, the status (WIRELESS STATUS) screen (p. 2) will appear.

### 7. Press the [KIT] button to return to the DRUM KIT screen.

You can use the wireless connection from an iPhone app such as V-Drums Friend Jam for iPhone. Choose "TD-30" in the instrument select screen of your iPhone app.

### NOTE

\* The device (e.g., iPhone) running the app must be connected to the same network.

### MEMO

• The connection data is stored in memory when you perform the WPS procedure; the device will automatically connect to the wireless network the next time.

• All connection data will be erased if you perform a factory reset.

\* Connection data is not included in a backup saved in the USB flash drive.

## Icons in the display

The wireless LAN status is shown in the upper part of the display.



Icon	Explanation
	Currently connected to the wireless LAN access point. Three bars are used to indicate the signal level (the strength of the connected wireless LAN access point's radio signal).
	The wireless USB adapter is inserted, but not connected with a wireless LAN access point.
	The wireless USB adapter is not inserted (nothing is displayed).
	Ad-Hoc mode (p. 3).

## Wireless LAN Function Settings

You can view or edit the wireless settings.

### Status Indication (WIRELESS STATUS)

This shows the wireless LAN status.

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) button.

The WIRELESS STATUS screen will appear.



Display	Explanation
CONNECTED	Currently connected to the wireless LAN access point. The identifier (name) of the connected wireless LAN access point is shown.
NOT CONNECTED	The wireless USB adapter is inserted, but not connected to a wireless LAN access point.
NOT AVAILABLE	The wireless USB adapter is not inserted.
AD-HOC MODE	Ad-Hoc mode (p. 3). The Ad-Hoc SSID and Ad-Hoc Key are shown. For details, refer to "Connecting in Ad-Hoc mode (AD-HOC)" (p. 3).

#### What the function buttons do

Button	Explanation
[F1] (SEL AP)	Move to a screen where you can choose a wireless LAN access point and connect to it.
[F2] (WPS)	Move to a screen for performing WPS.
[F5] (OPTION)	Make settings for Wireless ID or Ad-Hoc mode (p. 3).

### Connecting by WPS (WPS)

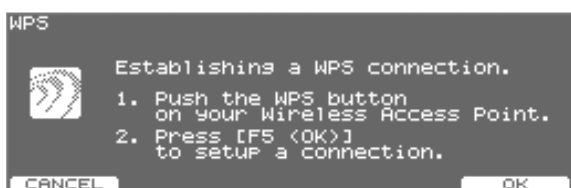
Here's how you can use WPS to connect to a wireless LAN access point.

#### MEMO

You can also make the WPS connection by pressing the button of the wireless USB adapter (WNA1100-RL; sold separately). For the procedure, refer to "Basic Connection Method (Connect by WPS)" (p. 1).

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) → [F2] (WPS) button.

The WPS screen will appear.



2. Perform the WPS operation on your wireless LAN access point (e.g., press the WPS button on your wireless LAN access point).

For details on WPS operation of your wireless LAN access point, refer to the documentation for your wireless LAN access point.

3. Press the [F5] (OK) button of the TD-30.

Connection via WPS will take place.

Once successfully connected, you'll be returned to the status (WIRELESS STATUS) screen.

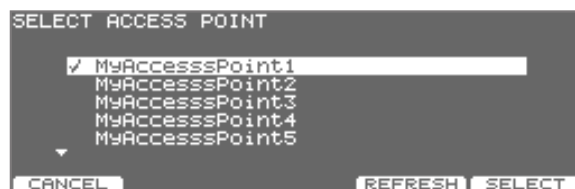
### Connecting to a Wireless LAN Access Point That You Select (SELECT ACCESS POINT)

This method lets you connect by choosing a wireless LAN access point from the list that is displayed.

\* Wireless standards 802.11g/n (2.4 GHz) and authentication methods WPA/WPA2 are supported.

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) → [F1] (SEL AP) button.

The SELECT ACCESS POINT screen will appear.



- A "✓" symbol is shown for the currently-connected wireless LAN access point.
- You can update the list by pressing the [F4] (REFRESH) button.

2. Choose the wireless LAN access point to which you want to connect, and press the [F5] (SELECT) button.

- You will be connected to the selected wireless LAN access point.
- If you're using this wireless LAN access point for the first time, you'll proceed to the authorization (AUTHORIZATION) screen.
- If this is a wireless LAN access point to which you have connected in the past, just press the [F5] (SELECT) button and you'll be connected. Once successfully connected, you'll be returned to the status (WIRELESS STATUS) screen.

### Authorization screen (AUTHORIZATION)

3. Enter the security code (passphrase) of your wireless LAN access point, and press the [F5] (CONNECT) button.

For details on how to enter characters, refer to the TD-30 Owner's Manual.

\* You cannot enter a space at the end of the passphrase.

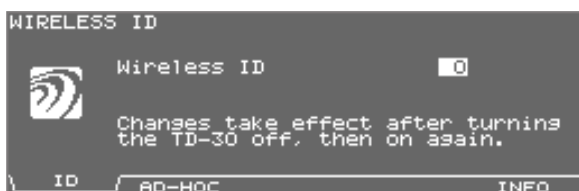


Once successfully connected, you'll be returned to the status (WIRELESS STATUS) screen.

## Other Settings (WIRELESS OPTION)

Make settings for Wireless ID or Ad-Hoc mode.

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) → [F5] (OPTION) button.



### What the function buttons do

Button	Explanation
[F1] (ID)	<p>Make setting for Wireless ID.</p> <p>Specifies the final digits of the TD-30's device name and Ad-Hoc SSID (TD-30) that will be shown as the instrument in the wirelessly connected app.</p> <p>Normally, you should specify "0," but if you have more than one of the same instrument, you can set the Wireless ID in the range of 1–99 to change the device name and Ad-Hoc SSID for each instrument, as follows.</p> <ul style="list-style-type: none"> <li>If Wireless ID=0, "TD-30" (default value)</li> <li>If Wireless ID=1, "TD-30-1"</li> <li>:</li> <li>If Wireless ID=99, "TD-30-99"</li> </ul>
[F2] (AD-HOC)	Make settings for Ad-Hoc mode.
[F5] (INFO)	View the device name, IP address and MAC address.

\* These settings will take effect after you've turned the unit off, then back on again.

## Connecting in Ad-Hoc mode (AD-HOC)

Here's how to connect in Ad-Hoc mode.

### What is Ad-Hoc mode?

Ad-Hoc mode lets you connect the TD-30 directly to an iPhone or other wireless device without using a wireless LAN access point. This is a convenient way to use the TD-30 with an iPhone or other wireless device if you're in a location where the wireless LAN access point you normally use is unavailable, such as when you're away from home.



### Limitations

The iPod touch or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPhone or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection.

Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan.

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) → [F5] (OPTION) → [F2] (AD-HOC) button. The AD-HOC MODE SETTINGS screen will appear.

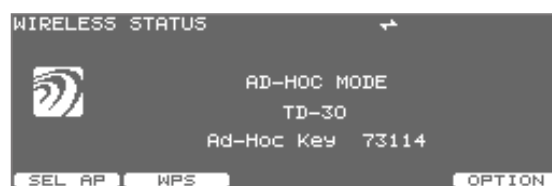
2. Turn the Ad-Hoc Mode "ON."

You can use Channel to specify a channel (1–11) for Ad-Hoc mode. Normally, you won't need to change the channel. Try changing the channel only if you have problems connecting.

Parameter	Explanation
Ad-Hoc Mode	Turns Ad-Hoc mode on/off.
Channel	Specifies the channel (1–11) for Ad-Hoc mode.

3. Turn the unit off, then on again.

4. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) button to access the WIRELESS STATUS screen.



The Ad-Hoc SSID (TD-30) and the Ad-Hoc Key (a five-character text string) will be displayed.

### MEMO

The Ad-Hoc SSID (TD-30) will be the value that you specified in the WIRELESS ID screen "Wireless ID" setting.

5. On the iPhone or other wireless device that you want to connect, select the Ad-Hoc SSID shown in the above screen to make the connection. (For example, on an iPhone, choose [Settings] → [Wi-Fi] → [Choose a Network] to select the above Ad-Hoc SSID. A password entry screen will appear; enter the above Ad-Hoc key.)

For details on how to connect to a wireless LAN from an iPhone or other device, refer to the owner's manual of that device.

6. When you want to end the Ad-Hoc mode connection, restore the iPhone settings in [Settings] → [Wi-Fi] → [Choose a Network] to their previous state.

## Checking the IP Address and MAC Address (INFO)

Here's how to check the IP address and MAC address.

1. Press the [SETUP] → [F5] (A>B>C) → [F5] (A>B>C) → [F3] (WIRELES) → [F5] (OPTION) → [F5] (INFO) button.



### MEMO

The MAC address shows the value indicated on the bottom of the wireless USB adapter (WNA1100-RL; sold separately).



# Troubleshooting

\* For problems related to communication, refer also to the owner's manual of your wireless LAN access point.

\* For details on operating your wireless LAN access point, refer to its owner's manual.

Problem	Action
<p>Can't connect to a wireless LAN access point</p> <p>The TD-30 indicates "Could not make the wireless connection."</p>	<ul style="list-style-type: none"> <li>• Make sure that your wireless LAN access point supports WPS. If your wireless LAN access point does not support WPS, you can connect using the procedure described in "Connecting to a Wireless LAN Access Point That You Select (SELECT ACCESS POINT)" (p. 2).</li> <li>• The 802.11a/b wireless standard is not supported. Please use the 802.11g/n (2.4 GHz) wireless standard.</li> <li>• The WEP authentication method is not supported. Please use the WPA or WPA2 authentication method.</li> <li>• Make sure that DHCP is enabled for your wireless LAN access point.</li> <li>• If you don't get connected to the previously-connected wireless LAN access point when you turn on the unit, check and make sure the setting described in "Connecting in Ad-Hoc mode (AD-HOC)" (p. 3) is OFF.</li> <li>• The connection might not occur successfully due to the state of the radio signal. If so, use the procedure described in "Connecting to a Wireless LAN Access Point That You Select (SELECT ACCESS POINT)" (p. 2), and select your wireless LAN access point and reconnect.</li> <li>• There is a limit to the connection data that can be remembered. Making a new connection may cause older connection data to be deleted. All connection data will be deleted if you execute a factory reset. If the connection data has been deleted, please re-connect to the wireless LAN access point.</li> <li>• Connection data is not included in a backup saved in the USB flash drive, please re-connect to the wireless LAN access point.</li> </ul>
<p>The display indicates "This Access Point is not supported," and can't connect to the wireless LAN access point</p>	<ul style="list-style-type: none"> <li>• This Access Point is not supported. Please use the WPA or WPA2 authentication method.</li> </ul>
<p>Communication is unstable</p>	<p>Communication may be unstable depending on the usage of the radio frequency spectrum. If communication is unstable, the response may be sluggish, or if using audio communication, there may be dropouts in the audio. The following actions may improve the situation.</p> <ul style="list-style-type: none"> <li>• Move the wireless LAN access point and the TD-30 closer to each other.</li> <li>• Change the channel setting of the wireless LAN access point.</li> </ul>
<p>The TD-30 is not found in the instrument connections of the app (such as the iPhone app V-Drums Friend Jam for iPhone)</p>	<ul style="list-style-type: none"> <li>• Is the TD-30 powered up?</li> <li>• Is the wireless USB adapter (WNA1100-RL) inserted to the TD-30?</li> <li>• Is the TD-30 connected to the wireless LAN?</li> <li>• Are the TD-30 and the iPhone connected to the same network (the same wireless LAN access point)?</li> <li>• Is the wireless LAN access point set to allow communication between wireless LAN devices? For details on settings, refer to the owner's manual of your wireless LAN access point.</li> </ul>
<p>Your iPhone or iPod touch won't connect to the Internet</p>	<ul style="list-style-type: none"> <li>• Is the wireless LAN access point connected to the Internet?</li> <li>• Could you be connected in Ad-Hoc mode? The iPod touch or other wireless device connected in Ad-Hoc mode will be unable to communicate with the Internet or with another wireless device. However, an iPhone or other wireless device that has cellular capability will be able to connect to the Internet via the cellular connection. Please be aware that if you use a cellular connection for Internet connectivity, you may incur costs depending on your rate plan. A wireless device such as an iPod touch that does not have cellular capability will become unable to connect to the Internet in this case.</li> </ul>
<p>The changes of Ad-Hoc or Wireless ID settings does not became effective.</p>	<ul style="list-style-type: none"> <li>• These settings will take effect after you've turned the unit off, then back on again.</li> </ul>
<p>The TD-30 indicates "Cannot send/receive Audio/MIDI wirelessly while using USB Computer Connection." and is unable to communicate with the app.</p>	<div style="border: 1px solid black; border-radius: 15px; padding: 10px;"> <p><b>Concerning the limitations on the USB audio/MIDI functionality and the wireless LAN functionality</b></p> <p>When the USB COMPUTER port of the TD-30 is connected via USB to your computer, it is not possible to use wireless LAN functionality at the same time as the USB audio/MIDI functionality.</p> <ul style="list-style-type: none"> <li>• When the TD-30 and your computer are connected via USB, it is possible to establish a wireless connection using the specified method; however, you won't be able to carry out audio or MIDI communications with the wirelessly connected application. You must disconnect the USB connection between the TD-30 and your computer before using the wireless LAN functionality.</li> <li>• Although you can specify the TD-30 (USB) as the output destination for your personal computer's audio and MIDI data even when you're using a wirelessly connected application, no audio or MIDI data will be input or output using the TD-30's USB connection. You must disconnect the wireless connection between the TD-30 and a wirelessly connected application before using the USB audio/MIDI functionality.</li> </ul> </div>
<p>The TD-30 indicates "Cannot send/receive Audio/MIDI via USB while using Wireless Connection." and is unable to use the USB audio/MIDI.</p>	

Company names and product names appearing in this document are registered trademarks or trademarks of their respective owners.

Copyright © 2012 ROLAND CORPORATION

All rights reserved. No part of this publication may be reproduced in any form without the written permission of ROLAND CORPORATION.