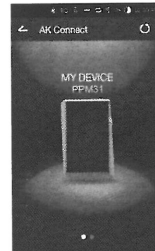


User Guide

4. A list of servers on the same network as the PPM31 will be displayed.



5. Scroll the screen left and right to select a server. The selected server will be connected and the server home screen will be displayed.



6. Select a search option at the bottom of the server home screen to display a list of music.

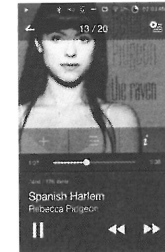


Refer to page 44 of the manual for more information on connecting to a wireless network.

User Guide

Streaming and Downloading from the Music Server

1. Select a search option from the server Home Screen to display a list of music.
2. Select a song to begin streaming.



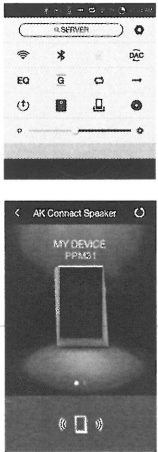
3. Press the [] button at the upper-right corner of the music list.
4. Select the desired music, and then press the [] button at the top of the screen to begin downloading.
 - A message on the Notification Bar will indicate a completed download.



Depending on network conditions, song loading may be slow or streaming may stutter. Server response may be slow when the server computer is under load. Depending on network conditions and server status, the PPM31's performance may be affected when streaming and downloading at the same time. Terminating music streaming or pressing the item being downloaded within the Notification Bar will stop the downloading.

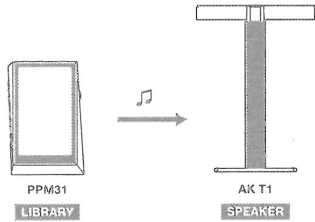
Selecting Speakers

1. Turn on the speaker(s) to be connected, and then connect it to the same network as the PPM31.
2. Turn on [AK Connect] from the device settings.
3. Press [] from the notification bar to display a list of speakers available on the same network as the PPM31.
4. Scroll the screen left and right to select a speaker. The selected speaker will be connected, and music will be played back through the speaker.

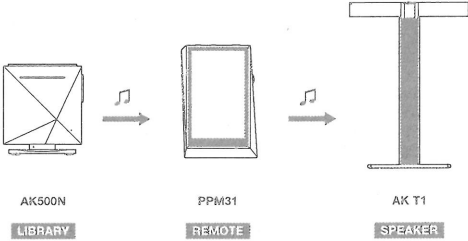


AK Connect Usage Examples

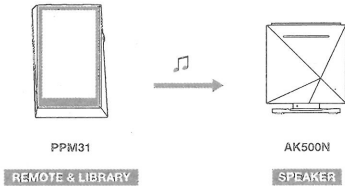
Example 1



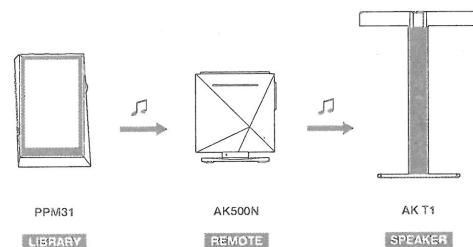
Example 2



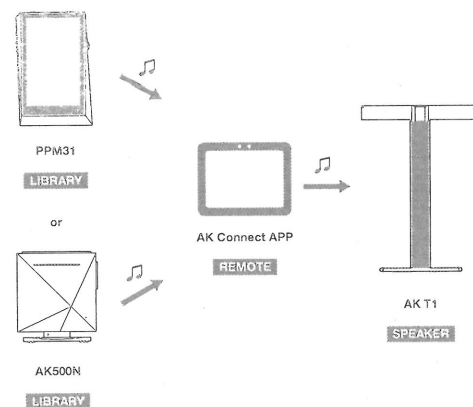
Example 3



Example 4



Example 5



Listening to Music

Selecting Music

1. Select a search option at the bottom of the home screen to display the playlist.
2. Select a song from the list to begin playback.

! Select [Folder] to search music by folder.
 Continuous Playback: Approximately 10 hours (Basis: FLAC, 16-bit, 44 kHz, unbalanced output, volume 80, EQ off, LCD off)
 Supported Formats: PCM [8 - 384 kHz (8/16/24/32-bit)], DSD [2.8/5.6 MHz]

Listening to Music

- Press [] at the top of the music list to display music options.
 - : Add the selected file after the current/last song of the current playlist.
 - : Add the selected file to the playlist.
 - : Copy the selected file.
 - : Move the selected file.
 - : Delete the selected file.
- Select an album cover from the home screen to begin playback.
- Turn the [Volume Wheel] to adjust the volume.
- Press [] during playback to pause and [] to resume playback.
 - You can also pause/resume playback by pressing the [] button on the device.
- Press [] during playback for the previous/next song.
 - Play the previous/next song by pressing the [] button on the device.
- Long-press [] during playback to rewind/fast-forward.
 - Rewind/fast-forward by pressing the [] button on the device.

User Guide

- Drag the progress bar to the desired location during playback.
- Press the [Home] button on the device to go to the Home Screen.
- Press the album cover during playback to display an additional screen.
 -  : Display the previous screen.
 -  : Display the current playlist.
 - Press [] next to the playlist to edit the playlist order.
 - Press [] at the top of the music list to display music options.
 -  : Add the selected file to the playlist.
 -  : Delete the selected file.
 -  : Add the current song to the playlist.
 -  : Display lyrics for the current song.
 -  : Display current song information.

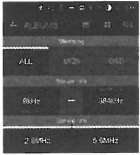
User Guide

Playlist Screen



User Guide

1	Current Location	Indicates the current location. Press to return to the previous screen.
2	Play All	Play all songs from the current playlist.
3	Playlist	Displays the playlist for the current location.
4	List Sorting	Select a method for sorting the playlist.
5	List View	Select a view type for the list of albums.
6	Music Options	Select the checkbox to apply playlist options.



User Guide

Music Player Screen



1	Previous Screen	Return to the previous screen.
2	Album Cover	Display album covers. Press the album cover to show additional functions.

User Guide

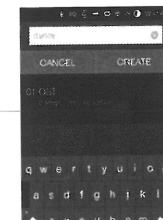
3		Lyrics	Lyrics for the current song.
4		Add to Playlist	Add the current song to a playlist.
5		Song Progress	Indicates song duration.
6		Details	Displays bitrate and sampling frequency data.
7		Title	Song title information. File name is displayed when ID3Tag is unavailable.
8		Artist	Artist name.
9		Play/Pause	Play or pause the current song.
10		Playlist	Displays the current playlist.
11		Details	Displays current song information.
12		Song Duration	Indicates the song's total duration. Press to switch from elapsed time to remaining time.
13		Progress Bar	Indicates song progress. Drag the indicator to move to the desired time.
14		Previous/ Rewind	Short press: Previous song. Long press: Rewind the current song.
15		Next/ Fast-Forward	Short press: Next song. Long press: Fast-forward the current song.

User Guide

Playlist Management

Creating a Playlist

1. Press [Playlist - Playlists] from the home screen to display a list of playlists.
2. Press [+] at the upper-right corner of the screen.
3. Enter a name for the playlist, and then press [Add] to create a new playlist.



Adding a Song to a Playlist

1. Press [Playlists] to display a list of playlists.
2. Select a playlist and press [+ Add] to display a list of songs.
3. Select the desired song, and then press [+ Add] to add the song to the selected playlist.



User Guide

Removing a Song from a Playlist

1. Press [Playlists] to display a list of playlists.
2. Select the desired playlist, and then press [] at the top of the screen.
3. Select the desired song, and then press [] to remove the song from the selected playlist.



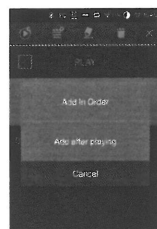
Editing the Playlist Order

1. Press [] next to the playlist to modify the playlist order.



Playing a Playlist

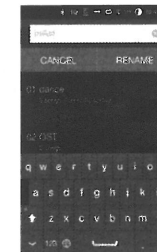
1. Press [Playlists] to display a list of playlists, and then press [] at the top of the screen.
2. Select the desired playlist for playback.
3. Press [] at the top of the screen to add the selected playlist after the current/last song of the current playlist.



User Guide

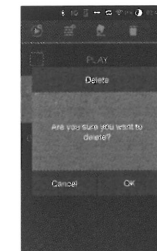
Renaming a Playlist

1. Press [Playlists] to display a list of playlists, and then press [] at the top of the screen.
2. Select a playlist to be renamed.
3. Press [] at the top of the screen to display a rename window.
4. Enter a name for the playlist, and then press [Rename] to save the playlist under a new name.



Deleting a Playlist

1. Press [Playlists] to display a list of playlists, and then press [] at the top of the screen.
2. Select the playlist to be deleted.
3. Press [] at the top of the screen to delete the selected playlist.



USB DAC Installation

The USB DAC functionality allows the PPM31 to be recognized as a sound card on a computer. Music from the computer is played through the device's earphones port for an enhanced listening experience.

USB DAC Specifications

- Supported OS
 - Windows XP (32-bit) / Windows 7 (32/64-bit) / Windows 8 (32/64-bit)
- USB DAC Support Specifications
 - Supported Formats: WAV, FLAC, WMA, MP3, OGG, APE (Normal, High, Fast), AAC, ALAC, AIFF, DFF, DSF
 - Sample Rate: 44.1 kHz – 96 kHz
 - Bit Rate: 16-bit/24-bit
- Control the volume with the PPM31's volume wheel.

i Sound will not play back for files that exceed the supported formats.
Volume control is unavailable when the LCD screen is turned off during USB DAC connection.
The Previous, Play, and Next buttons are unavailable during USB DAC connection.
Playback may stutter when computer performance is slow or the USB connection is experiencing heavy usage.
There may be issues with audio-to-video synchronization during video playback depending on the sound quality and operating environment.
Optical output (S/PDIF) is unavailable during USB DAC connection.
Volume cannot be adjusted via the Windows volume control. The volume wheel on the device or volume control on the appropriate program must be used to adjust the volume.

CD Ripping

Connect the AK Ripper (sold separately) to rip CDs.

Turning the AK Ripper On/Off

1. Set [ - CD Ripping] to On.
2. After connecting the product, pull down the notification bar and press the CD ripping icon to use the AK Ripper.
3. While the AK Ripper is turned on, pull down the notification bar and press the CD ripping icon to stop the AK Ripper operation.

Automatic CD Ripping

1. Connect the AK Ripper and insert a CD.
2. The metadata (ID3 tags) for the inserted CD will be retrieved via Gracenote.
3. CD ripping will begin automatically after the metadata has been retrieved.
4. When finished, press [OK] on the results prompt to complete automatic CD ripping.

Manual CD Ripping

1. When the AK Ripper is connected and a CD is inserted, the [CD Ripping] menu will be activated on the home screen.
2. Press the [CD Ripping] menu and select the desired file format (FLAC or WAV).
3. The Gracenote database will be searched for matching CD metadata after the file format is selected.
4. When the database search is complete, press [Start] to begin CD ripping.
5. Rip only selected songs.

User Guide

CD Ripping Results

- ● : Indicates that CD ripping is complete, or that although an error occurred, CD ripping was successfully completed via error correction.
- ✕ : Indicates that the song currently being ripped can be canceled via user input.
- ⚠ : Indicates that CD ripping failed due to a scratch on the CD or other similar reasons. Also indicates that CD ripping was canceled due to user interruption.

! To search the Gracenote database, the PPM31 must be connected to the Internet via Wi-Fi. The database access time may vary depending on the network environment. Please note that metadata for certain CDs may not be available on the Gracenote database. You may not access the Home screen while CD ripping is in progress. The AK Connect service will be disabled during CD ripping. The service will automatically restart when CD ripping is completed. Music playback will be disabled during CD ripping, and tracks that have been ripped will not be available for playback until the entire CD has been ripped. You can set the desired file format and ripping speed from the [⚙ - CD Ripping] menu. Several attempts at correction will be made for data with errors when the feature is enabled under [⚙ - CD Ripping - Error Correction]. Please note that the CD ripping speed will be affected when this feature is enabled.

User Guide

Using Bluetooth

Connect a Bluetooth device to listen to music wirelessly.

Turning Bluetooth On/Off

A Bluetooth device must be paired with the PPM31 prior to use. Refer to the Bluetooth device's instruction manual for details.

1. Select [⌘] from the home screen, or select [On/Off] from [⚙ - Bluetooth].



Bluetooth Pairing

1. Select the appropriate Bluetooth device from the list of available devices.

! A Bluetooth device must be paired with the PPM31 prior to use. Refer to the Bluetooth device's instruction manual for details.

Terminating a Bluetooth Connection

1. Press the connected Bluetooth device and confirm the message prompt to disconnect the device.

