

WatsonMIDI™ User Manual

Quick Start Guide for Musicians

1. Connecting to Your Instrument

WatsonMIDI connects to any pipe organ, digital organ, or keyboard with a MIDI output. You have two connection options:

Option A: Wired Connection (USB-MIDI Cable)

What You Need:

- USB-MIDI cable (USB-A to 5-pin DIN MIDI)
- Lightning to USB Camera Adapter (for older iPads) or USB-C adapter (for newer iPads)

Steps:

1. Connect the MIDI cable's **IN** connector to your instrument's **MIDI OUT** port
2. Connect the USB end to your iPad via the camera adapter
3. Open WatsonMIDI
4. Tap the **Settings** tab (gear icon)
5. Under "MIDI Connection," your device should appear automatically
6. Tap to select it — a **green dot** confirms connection

Tip: The MIDI cable's IN connector receives data FROM the instrument's OUT port. This is the most common point of confusion!

Option B: Wireless Connection (CME WIDI Jack)

What You Need:

- CME WIDI Jack Bluetooth MIDI adapter
- 5-pin DIN MIDI cable (if not built into your console)

Steps:

1. Connect the WIDI Jack to your instrument's **MIDI OUT** port
2. Power on the WIDI Jack (LED will blink)
3. Open WatsonMIDI
4. Tap the **Settings** tab
5. Under "MIDI Connection," tap **Scan for Devices**
6. Select "WIDI Jack" from the list
7. Wait for connection — a **green dot** confirms success
8. The WIDI Jack LED will turn solid when connected

Auto-Connect Feature:

Once you've connected to your WIDI Jack, WatsonMIDI remembers it. Next time you open the app with the WIDI Jack powered on, it will connect automatically within 2-3 seconds.

Verifying Your Connection

Green Dot = Connected

- Look for the green indicator dot next to your device name in Settings
- The connection status also appears at the top of the Player screen

Test Your Connection:

1. Go to the **Player** tab
2. Play a few notes on your instrument
3. You should see activity in the MIDI Monitor (if enabled in Settings)
4. The app is ready to record!

Troubleshooting:

- **No devices found?** Ensure your MIDI cable is plugged into the instrument's MIDI OUT (not IN)
- **WIDI Jack not appearing?** Check that Bluetooth is enabled on your iPad
- **Connection drops?** WatsonMIDI sends keep-alive signals every 10 seconds to maintain Bluetooth connections during long sessions

2. Recording, Naming, Saving & Playback

Making a Recording

1. **Connect** to your instrument (see Section 1)
2. Tap the **Player** tab
3. Tap the red **Record** button

4. **Play your piece** on the instrument
5. When finished, tap **Stop**

During Recording:

- The timer shows elapsed time
- A red recording indicator confirms capture is active
- All MIDI data is captured: notes, expression pedals, stop changes, and registrations
- **Screen stays awake** — your iPad won't sleep during recording
- **Background recording** — if you switch apps or lock your screen, recording continues!

Naming & Saving Your Recording

After stopping the recording, a save dialog appears:

1. **Title:** Enter the recording name (e.g., "Amazing Grace")
2. **Number:** Optional — enter a reference number (e.g., "378")
3. **Category/Folder:** Select a folder:
 - Hymns, Christmas, Easter, Communion, Wedding, Funeral, General, Other
 - Or create a custom folder
4. **Composer:** Optional — add composer name
5. Tap **Save**

Your recording is now stored in your Library!

Audio Room Recording (Optional)

In addition to MIDI data, WatsonMIDI can record audio from your iPad's microphone to capture the actual sound of your performance:

To Enable Audio Recording:

1. Go to **Settings** tab
2. Find **Audio Recording** section
3. Toggle **Record Audio** on
4. Grant microphone permission when prompted

During Recording with Audio:

- A microphone icon indicates audio is being captured
- The iPad microphone records the room sound
- Both MIDI and audio are saved together

Playback with Audio:

- Use the **audio scrubber** to listen back to your room recording
- Compare the MIDI playback with how it actually sounded
- Perfect for evaluating registration choices and room acoustics

Tip: Audio recording is great for audition preparation — you can hear exactly how your performance sounded in the room!

Finding Recordings in Your Library

1. Tap the **Library** tab
2. **Browse by folder:** Tap a category at the top to filter
3. **Search:** Use the search bar to find by title, number, or composer
4. **Sort:** Tap the sort icon to arrange by number, title, or date

Adding Recordings to a Folder

When viewing a specific folder (like Easter or Hymns), you can quickly add recordings from other folders:

1. Tap a folder to view its contents
2. Tap the **+** button in the top-right corner
3. A sheet appears showing recordings from other folders
4. Search or scroll to find recordings
5. Tap recordings to select them (checkmarks appear)
6. Tap **Add X Recordings to Folder**
7. Selected recordings are moved to the current folder

Tip: Each recording shows its current folder as a colored tag, making it easy to see where recordings are coming from!

Playing Back a Recording

To Your Instrument (Live Playback):

1. Ensure your instrument is connected (green dot)
2. In the Library, tap a recording to select it
3. Tap the **Play** button — MIDI data streams to your instrument
4. The instrument plays exactly as you recorded it!

Listening Mode (Headphone Preview):

1. In the Player tab, enable **Listening Mode**
2. Tap Play — hear the recording through your iPad/headphones
3. Use the **scrubber** to skip to any position
4. Perfect for reviewing recordings without the instrument

Playback Controls:

- **Play/Pause:** Start or pause playback
- **Stop:** Return to beginning
- **Tempo:** Adjust playback speed (40-200 BPM)
- **Transpose:** Shift pitch up or down (± 12 semitones)
- **Loop:** Repeat continuously

During Playback:

- **Screen stays awake** — your iPad won't sleep during playback
- **Background playback** — if you switch apps or lock your screen, playback continues to your instrument

3. Creating Services/Playlists & Sharing

Creating a Service/Playlist

Organize recordings for your Sunday service, event, or performance:

1. Tap the **Services** tab
2. Tap **+ New Service**
3. Enter a name (e.g., "Sunday March 15" or "Easter Vigil")
4. Tap **Create**

Adding Recordings to a Service/Playlist

Method 1: From the Library (Multi-Select)

1. Go to the **Library** tab
2. Tap **Select** to enter multi-select mode
3. Tap multiple recordings to select them (checkmarks appear)
4. Tap **Add to Service** in the action bar
5. Choose your service/playlist
6. Optionally add notes for the selected recordings
7. All selected recordings are added at once!

Method 2: From the Service/Playlist

1. Open your service/playlist
2. Tap **+ Add Recordings**
3. Browse or search your library
4. Tap recordings to select them (multi-select enabled)
5. Tap **Add X Recordings to Service** when done

Reordering:

- Tap and drag the grip handle (≡) to reorder recordings within a service/playlist

Playing Through a Service/Playlist

1. Open your service/playlist
2. Tap the first recording
3. Tap **Play** — it plays to your instrument
4. When finished, tap the next recording
5. Continue through your service/playlist

Tip: Prepare your service/playlist before the event begins. You'll have one-tap access to each recording in order!

3a. Protecting Your Musical Intellectual Property

As a musician, your recordings represent hours of practice, years of training, and your unique artistic interpretation. WatsonMIDI is designed to help you protect this valuable intellectual property while still enabling you to share your work when appropriate.

What Makes Your Recordings Valuable

Your MIDI recordings capture more than just notes — they contain:

Element	What's Captured	Why It's Valuable
Performance Interpretation	Timing, dynamics, phrasing	Your unique musical voice

Registration Choices	Stop combinations, swell positions	Years of experience with the instrument
Expression Data	Crescendo pedal movements, dynamics	Emotional depth of performance
Tempo Variations	Rubato, ritardando, accelerando	Artistic decision-making
Arrangement Decisions	How you voice chords, pedal choices	Creative interpretation

Your recordings are a form of intellectual property — just like sheet music arrangements or audio recordings. They deserve protection.

How WatsonMIDI Protects Your Work

By Default: Local Storage Only

Your recordings are stored locally on YOUR device. They are not uploaded to any cloud server, shared with Anthropic or Watson Pipe Organ Company, or accessible to anyone else unless YOU choose to share them.

WatsonMIDI Format (.watsonmidi)

When you save a recording, it's stored in WatsonMIDI's proprietary format which:

- Can only be opened by the WatsonMIDI app
- Contains embedded metadata identifying you as the creator
- Includes creation date and recording details
- Is not directly editable by other software

Optional: Encrypted Sharing (Symphony Tier)

For maximum protection when sharing, Symphony tier users can encrypt recordings with DRM protection:

- Recordings require a license key to play
- You control who receives license keys
- Recordings cannot be copied or re-shared without authorization
- Perfect for commercial licensing arrangements

Understanding Your Rights

You Own Your Recordings

When you create a recording in WatsonMIDI:

- **You retain full copyright** to your performance
- **You control distribution** — share only what you choose
- **You set the terms** — decide how your recordings can be used

Work-for-Hire Considerations

If you're employed by a church or organization:

- Check your employment agreement regarding work product
- Some agreements may give the employer rights to recordings made during work hours
- When in doubt, discuss ownership with your employer before recording
- Consider creating a simple agreement that clarifies recording ownership

Recommended Agreement Points:

- Who owns recordings made during services?
- Can the church use recordings when you're absent?
- What happens to recordings if you leave the position?
- Can the church share recordings with future musicians?

Protection Levels When Sharing

WatsonMIDI offers different levels of protection depending on how you share:

Sharing Method	Protection Level	Best For
Keep on Your Device	Maximum	Personal use only
WatsonMIDI Format	High	Trusted church iPad you control
Encrypted/Licensed	High	Commercial sharing, multiple churches
Standard MIDI (.mid)	Low	When editing in other software is needed

Sharing Safely with Your Church/Client

Scenario: Church Wants Backup Recordings

Many churches request recordings for use when the primary musician is unavailable. Here's how to share while protecting your work:

Option 1: Church-Owned iPad (Recommended)

The safest approach — recordings stay on church property:

1. Church purchases a dedicated iPad for the organ console
2. You install WatsonMIDI on the church iPad
3. You record directly to the church iPad OR transfer recordings via AirDrop
4. Recordings remain on church property under your supervision
5. You maintain the library and can remove recordings if needed

Benefits:

- You control what's on the device
- Recordings don't leave church premises
- Easy to update or remove recordings
- No risk of unauthorized copying

Option 2: Encrypted Sharing (Symphony Tier)

For churches that want recordings on their own devices:

1. Export recordings with DRM encryption enabled
2. Share the encrypted files with the church
3. Provide a license key that allows playback
4. License key can be revoked if needed

Benefits:

- Recordings can't be played without valid license
- You maintain control over access
- Can provide time-limited licenses
- Audit trail of who has access

Option 3: WatsonMIDI Format (Trust-Based)

For trusted relationships where encryption isn't needed:

1. Export as WatsonMIDI format (.watsonmidi)
2. Share via AirDrop or email
3. Church imports to their WatsonMIDI app

4. Recordings can be played but not easily edited

Note: This relies on trust — the church could re-share the files. Best for long-term, trusted relationships.

Option 4: Standard MIDI (Least Protected)

Only use when the recipient specifically needs to edit:

1. Export as Standard MIDI (.mid)
2. File can be opened in any MIDI software
3. No protection against copying or editing
4. Use only when editing capability is required

Best Practices for Protecting Your Work

Before Sharing:

- ■ Discuss ownership and usage terms with the church/client
- ■ Put agreements in writing, even informal email confirmation
- ■ Keep a master copy of all recordings on your personal device
- ■ Use the most protective sharing method appropriate for the situation

What to Discuss:

- How will the recordings be used? (Services only? Events? Funerals?)
- Can the church share recordings with other musicians or churches?
- What happens to recordings if you leave your position?
- Will you be compensated for recordings used in your absence?

Documentation:

- Keep a log of what you've shared and with whom
- Note any agreements about usage
- Save confirmation emails or messages about sharing terms

If You Leave Your Position

When transitioning away from a church or client:

Your Options:

1. **Leave recordings as a gift** — Transfer ownership to the church
2. **Remove your recordings** — Delete from church devices before leaving

3. **License for continued use** — Allow use under specific terms
4. **Negotiate compensation** — Receive payment for continued use of your library

Recommended Steps:

1. Review any employment agreements
2. Discuss with church leadership before your departure
3. Document the agreed-upon arrangement
4. Remove or transfer recordings as agreed
5. Keep personal backup of your work

Commercial Licensing (Symphony Tier)

For musicians who want to monetize their recordings:

Potential Revenue Streams:

- License recordings to multiple churches
- Provide "vacation coverage" packages
- Create training libraries for new organists
- Archive historic performances for preservation societies

WatsonMIDI's DRM Features:

- Unique license keys per recipient
- Usage tracking and reporting
- Revocable access
- Time-limited licenses available

Getting Started:

1. Upgrade to Symphony tier
2. Enable DRM when exporting
3. Generate unique license keys for each client
4. Provide keys along with encrypted recordings
5. Manage licenses through your account

Summary: Your IP Protection Checklist

Step	Action
1	Keep master copies on your personal device

2	Use WatsonMIDI format for all sharing (not Standard MIDI)
3	Discuss ownership with employer/client before recording
4	Document sharing agreements in writing
5	Use encrypted sharing for maximum protection
6	Plan for what happens when you leave a position

Remember: Your musical artistry has value. WatsonMIDI gives you the tools to share your work while maintaining control over how it's used.

3b. Sharing Recordings with Your Church/Client

WatsonMIDI allows musicians to share their recordings with a church/client for use during their absence, special services, or training purposes.

Why Share?

Scenario	Benefit
Musician on vacation	Church/Client can play pre-recorded pieces
Guest musician unfamiliar with instrument	Share registration/stop combinations
Training a new musician	Provide example performances
Substitute needed last-minute	Church/Client has backup recordings ready
Preserving musical heritage	Archive recordings for future generations

How to Share a Recording

1. In the **Library**, select a recording

2. Tap the **Share** icon (or swipe and tap "Share")
3. Choose a sharing format:

Sharing Options:

Format	Best For	Recipient Needs
WatsonMIDI File (.wmidi)	Church/Client iPad with WatsonMIDI	WatsonMIDI app installed
Standard MIDI File (.mid)	Any MIDI software or device	MIDI player or DAW
Encrypted File	Protected sharing	License key to unlock

4. Send via AirDrop, Email, Messages, or save to Files

Church/Client Setup for Receiving Shared Recordings

What the Church/Client Needs:

- An iPad (any model that runs iOS 15+)
- WatsonMIDI app installed (available on App Store)
- MIDI connection to the instrument (wired or Bluetooth)

Importing Shared Recordings:

1. Church/Client receives the shared file (via email, AirDrop, etc.)
2. Tap the file to open it
3. Select **"Open in WatsonMIDI"**
4. The recording appears in the Library
5. Connect to the instrument and tap Play!

Example: Musician Vacation Coverage

Scenario: Susan, the church organist, will be away for two Sundays.

Susan's Preparation:

1. Records all pieces for both services in WatsonMIDI
2. Creates two service/playlists: "June 8 Service" and "June 15 Service"
3. Shares each recording with the church/client office via AirDrop or email

Church/Client Setup:

1. Church/Client has a dedicated iPad with WatsonMIDI installed
2. Imports Susan's shared recordings
3. Connects iPad to instrument via WIDI Jack (already set up)

Sunday Morning:

1. Volunteer opens WatsonMIDI on church/client iPad
2. Opens "June 8 Service" playlist
3. When it's time for a piece, taps Play
4. Instrument plays exactly as Susan recorded it
5. Congregation sings along as usual!

Benefits:

- Consistent musical quality even without the musician present
- No need to hire a substitute
- Registration changes and expression are perfectly captured
- Works with any pipe organ or digital organ with MIDI

Example: Training a New Musician

Scenario: First Baptist Church is training Michael, a new organist.

Head Organist's Approach:

1. Records example performances of standard pieces
2. Includes varied registrations showing different stop combinations
3. Shares recordings with Michael via WatsonMIDI

Michael's Practice:

1. Imports recordings to his iPad
2. Uses **Listening Mode** to hear how pieces should sound
3. Studies registration changes captured in the recordings
4. Practices along with playback using **Play-Along Mode**

Result: Michael learns the church/client's musical style and registration preferences directly from example recordings.

Example: Preserving Musical Heritage

Scenario: Grace Lutheran's longtime organist, Margaret (age 82), has decades of experience with their historic pipe organ.

Preservation Project:

1. Margaret records her signature arrangements
2. Captures her unique registration combinations and interpretation
3. Church/Client archives recordings in WatsonMIDI

Future Value:

- Margaret's artistry is preserved digitally
- Future musicians can study her technique
- Emergency backup if Margaret is unavailable
- Historical record of the instrument's capabilities

Quick Reference

Connection Status

Indicator	Meaning
Green dot	Connected and ready
No dot	Not connected
Scanning...	Searching for devices

Recording Workflow

1. **Connect** — Settings — Select device
2. **Record** — Player — Red button — Play instrument — Stop
3. **Save** — Enter title — Select folder — Save
4. **Find** — Library — Browse or search
5. **Play** — Select recording — Play button

Service/Playlist Workflow

1. **Create** — Services — + New Service
2. **Add** — Library — Select — Add to Service (supports multi-select)
3. **Order** — Drag to reorder
4. **Play** — Open service/playlist — Tap recording — Play

Folder Management Workflow

1. **View folder** — Library — Tap folder name
2. **Add recordings** — Tap + button — Select recordings — Add to Folder
3. **Move recording** — Swipe recording — Move to Folder — Select destination

Sharing Workflow

1. **Select** — Library — Tap recording
2. **Share** — Share icon — Choose format
3. **Send** — AirDrop, Email, or Files
4. **Import** — Recipient opens file — "Open in WatsonMIDI"

Backup Workflow

1. **Open** — Settings — Import / Export — Backup Library
2. **Choose** — Full Library or select specific folders
3. **Save** — Navigate to iCloud Drive or local storage — Open
4. **Restore** — Settings — Import WatsonMIDI Files — Select backup

4. Backing Up & Restoring Your Library

Your recordings are precious! WatsonMIDI stores recordings locally on your device. **If you uninstall the app or get a new device, your recordings will be lost unless you back them up.**


Backup Options

WatsonMIDI provides two backup options:

Option	Best For	What's Included
Backup Library	Complete backup (recommended)	Single .zip file with all recordings, metadata, and audio
Export as Standard MIDI	Use with other software	Individual .mid files (GarageBand, Logic, organ sequencers)

Recommendation: Use **Backup Library** for your primary backup. It creates a single .zip file that's easy to store and restore.

How to Backup Your Library

1. Go to **Settings** tab
2. Scroll to **Import / Export** section
3. Choose your backup option:
 - **Backup Library** — Creates a single .zip archive (recommended)
 - **Export as Standard MIDI** — Creates individual .mid files for other software
4. Tap the  info icon to learn more about each format
5. **Select what to backup:**
 - **Full Library** — Backs up all your recordings
 - **Select by Folder** — Choose specific folders (e.g., "First Baptist", "Grace Lutheran")
6. Tap **Continue** to proceed
7. **Navigate to your save location:**
 - Use the **left sidebar** to choose a location (iCloud Drive, On My iPhone, Downloads, etc.)
 - Or tap the **dropdown arrow** next to the current folder name to browse to a different location
 - Recommended locations:
 - **iCloud Drive** — Syncs to all your devices automatically
 - **On My iPhone/iPad** — Local storage
 - **Downloads** — Easy to find later
8. Tap **Open** to save your backup files to the selected folder
9. Wait for backup to complete
10. You'll see a confirmation with the number of recordings backed up

Backup Filename Format:

Your backup files are automatically named to help you identify them later:

Selection	Example Filename
Full Library	WatsonMIDI_Full_Library_2025-01-11.zip
Single Folder	WatsonMIDI_First_Baptist_2025-01-11.zip

Multiple Folders	WatsonMIDI_Easter_Christmas_2025-01-11.zip
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Pro Tip: If you play at multiple locations, organize recordings into folders by location name. Then you can backup just one location's recordings when needed, and the filename will tell you exactly what's inside!

How to Restore from Backup

From Individual .watsonmidi Files:

1. Open WatsonMIDI
2. Go to **Settings** → **Import / Export**
3. Tap **Import WatsonMIDI Files**
4. Navigate to your backup folder
5. Select your .watsonmidi files (you can select multiple)
6. Tap **Open** — recordings are restored to your Library

From Full Library Archive (.zip):

1. In the Files app, navigate to your backup .zip file
2. Tap the .zip file to extract it (creates a folder with .watsonmidi files)
3. Open WatsonMIDI → **Settings** → **Import WatsonMIDI Files**
4. Navigate to the extracted folder
5. Select all .watsonmidi files and tap **Open**

On a New Device:

1. Install WatsonMIDI from the App Store (same Apple ID = free)
2. If you backed up to iCloud Drive, your files are already available
3. Go to **Settings** → **Import WatsonMIDI Files**
4. Browse to iCloud Drive → your backup folder
5. Select files and tap **Open**

Via AirDrop:

1. On old device: Open Files app → find your backup (.zip or .watsonmidi files)
2. Tap Share → AirDrop → select your new device
3. On new device: Accept the files
4. If .zip, tap to extract first
5. Open WatsonMIDI → Settings → Import WatsonMIDI Files
6. Navigate to the received files and import

Multi-Device Sync

WatsonMIDI works on **all your devices** with the same Apple ID:

Device	What You Can Do
iPhone	Record on the go, quick edits
iPad	Full library management, service preparation
Multiple iPads	Church office iPad + musician's personal iPad

Transferring Between Devices:

1. Backup on Device A to iCloud Drive
2. On Device B, import from iCloud Drive
3. All recordings, metadata, and audio are transferred

Example Workflow:

- Record on your iPhone at home practice
- Transfer to your iPad for church service
- Share with the church's backup iPad

Backup Best Practices

Frequency	When to Backup
Weekly	Regular backup of new recordings
Before updates	Before iOS updates or app updates
Before travel	Ensure recordings are safe
After major recording session	Immediately backup important performances

Storage Recommendations:

- **iCloud Drive** — Automatic sync, accessible anywhere
- **External drive** — Connect via USB for physical backup
- **Email to yourself** — Quick backup of individual recordings

What Gets Backed Up?

WatsonMIDI Format (.watsonmidi):

- ■ All MIDI note data
- ■ Expression pedal movements
- ■ Stop/registration changes
- ■ Tempo and transpose settings
- ■ Audio room recording (if enabled)
- ■ Hymn number and title
- ■ Category/folder assignment
- ■ Recording date and duration
- ■ Composer information

Standard MIDI Format (.mid):

- ■ All MIDI note data
- ■ Expression pedal movements
- ■ Stop/registration changes
- ■ Tempo (embedded in file)
- ■ Audio room recording
- ■ Custom metadata

Support

For questions or assistance:

- **Email:** support@watsonpipeorgan.com
- **Website:** www.watsonpipeorgan.com

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