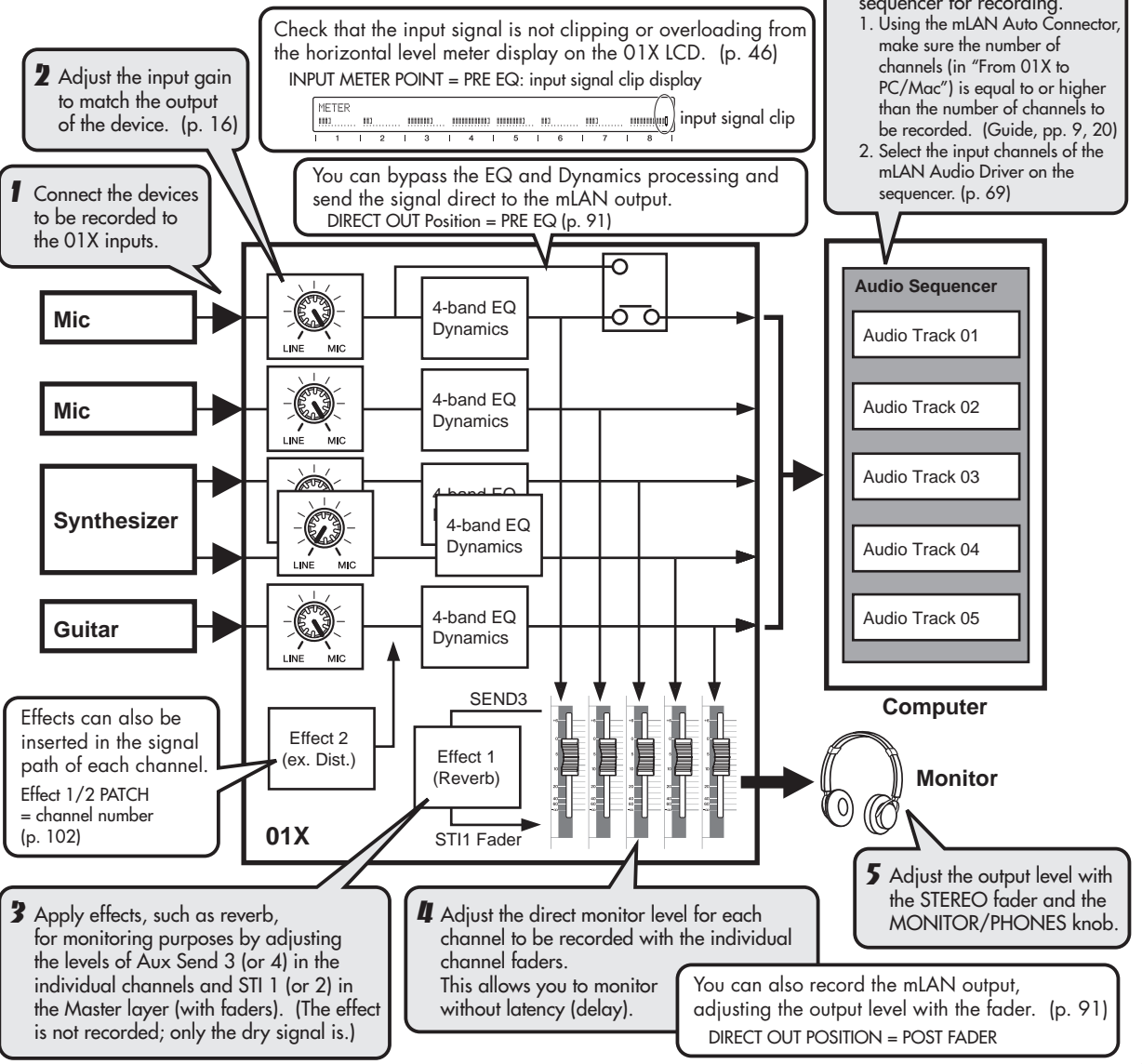# Quick Reference — Recording to Computer/Audio Sequencer (DAW)
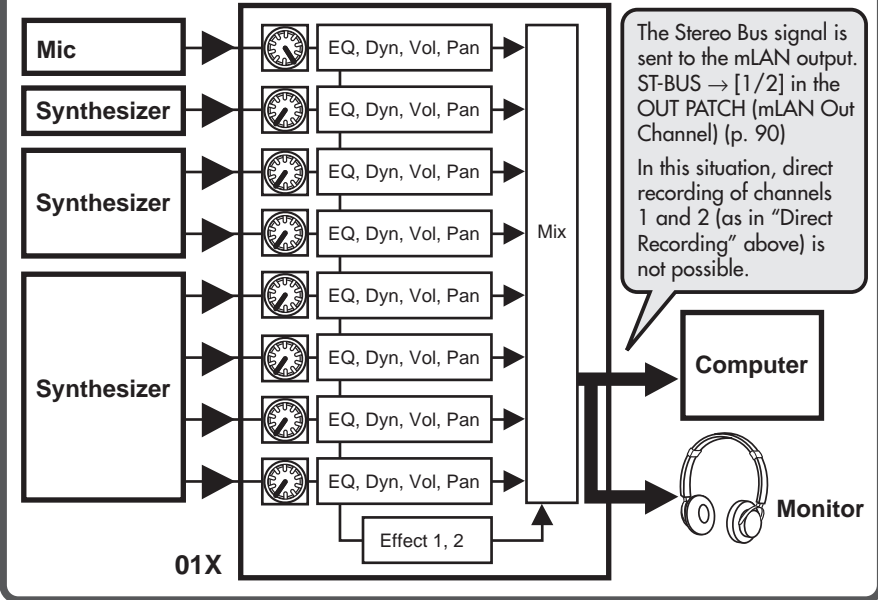
Direct Recording

In this setup, you can directly record the eight analog inputs of the 01X (or up to 24 channels via the mLAN connection). Unless you've changed the settings, the 01X is set up for this operation by default.

2 Adjust the input gain to match the output of the device. (p. 16)

Check that the input signal is not clipping or overloading from the horizontal level meter display on the 01X LCD. (p. 46)

INPUT METER POINT = PRE EQ: input signal clip display

METER
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
input signal clip

1 Connect the devices to be recorded to the 01X inputs.

You can bypass the EQ and Dynamics processing and send the signal direct to the mLAN output.
DIRECT OUT Position = PRE EQ (p. 91)

6 Set up the computer (with mLAN connection) and audio sequencer for recording.
1. Using the mLAN Auto Connector, make sure the number of channels (in "From 01X to PC/Mac") is equal to or higher than the number of channels to be recorded. (Guide, pp. 9, 20)
2. Select the input channels of the mLAN Audio Driver on the sequencer. (p. 69)

Mic — LINE / MIC — 4-band EQ Dynamics

Mic — LINE / MIC — 4-band EQ Dynamics

Synthesizer — LINE / MIC — 4-band EQ Dynamics

Guitar — LINE / MIC — 4-band EQ Dynamics

Audio Sequencer
- Audio Track 01
- Audio Track 02
- Audio Track 03
- Audio Track 04
- Audio Track 05

Computer

Effects can also be inserted in the signal path of each channel.
Effect 1/2 PATCH = channel number (p. 102)

Effect 2 (ex. Dist.)

SEND3

Effect 1 (Reverb)

STI1 Fader

01X

Monitor

3 Apply effects, such as reverb, for monitoring purposes by adjusting the levels of Aux Send 3 (or 4) in the individual channels and STI 1 (or 2) in the Master layer (with faders). (The effect is not recorded; only the dry signal is.)

4 Adjust the direct monitor level for each channel to be recorded with the individual channel faders.
This allows you to monitor without latency (delay).

You can also record the mLAN output, adjusting the output level with the fader. (p. 91)
DIRECT OUT POSITION = POST FADER

5 Adjust the output level with the STEREO fader and the MONITOR/PHONES knob.

Recording a Mix

In this setup, you can record a mix of all 01X inputs, sending the stereo bus to mLAN Out.

Ex. • Simultaneous recording of several MIDI tone generators with live instruments and microphones.
• Mixing the individual outputs of a rhythm machine (with separate EQ and Dynamics on the 01X).

Mic — EQ, Dyn, Vol, Pan
Synthesizer — EQ, Dyn, Vol, Pan
— EQ, Dyn, Vol, Pan
Synthesizer — EQ, Dyn, Vol, Pan
— EQ, Dyn, Vol, Pan
— EQ, Dyn, Vol, Pan
Synthesizer — EQ, Dyn, Vol, Pan
— EQ, Dyn, Vol, Pan
— EQ, Dyn, Vol, Pan

Mix

Effect 1, 2

01X

The Stereo Bus signal is sent to the mLAN output. ST-BUS → [1/2] in the OUT PATCH (mLAN Out Channel) (p. 90)

In this situation, direct recording of channels 1 and 2 (as in "Direct Recording" above) is not possible.

Computer

Monitor

Using Rec Bus

Ex. 1: Use the Stereo Bus for monitoring the overall sound, and record specific channels via the Rec Bus.
1. Set Rec Bus to ON for the channel(s) you wish to record via Rec Bus.
   RECBUS (Recording Bus Assign) = ON (p. 99)
2. Assign the Rec Bus output to mLAN. (p. 90)
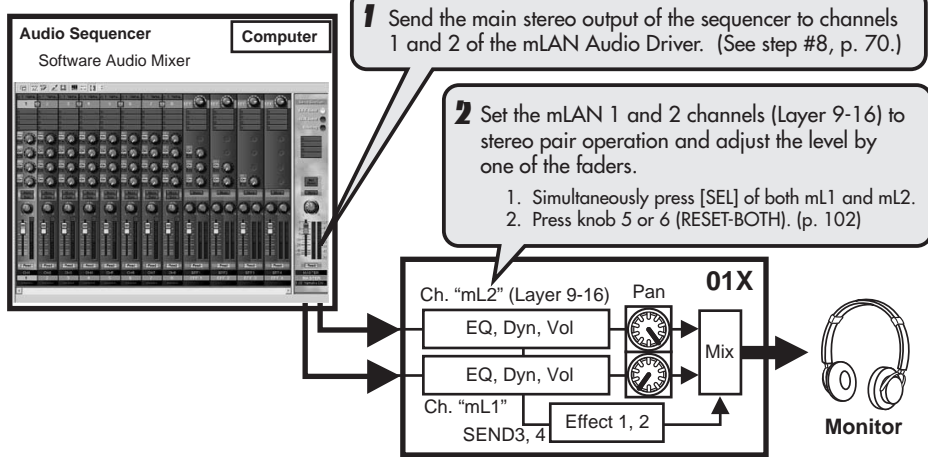   OUT PATCH (mLAN Out Channel): RECBUS = [1/2]

Ex. 2: For vocal recording, monitor the overall sound via the Stereo Bus and set up a separate monitor mix for the vocalist (with STEREO/AUX OUT), recording the microphone signal directly.
1. Set the Rec Bus output to ON for only those instrument channels you want in the monitor mix for the vocalist.
2. OUT PATCH (St/Aux Out Port) : RECBUS = ST/AUX OUT (p. 91)
3. Apply reverb or other processing to the monitor mix as desired.
   Set the Rec Bus of the STI 1 (in the Master layer) to ON. (See step #1 in Ex. 1 above.)
4. Record the microphone input directly. (See "Direct Recording" above.)

* In these explanations, normal page references are to the 01X Owner's Manual; those indicated by "Guide" are to the 01X Installation Guide. For more information, make sure to refer to the "Overview of the 01X" on page 25 of the Owner's Manual, as well as the block diagram at the end of the manual.
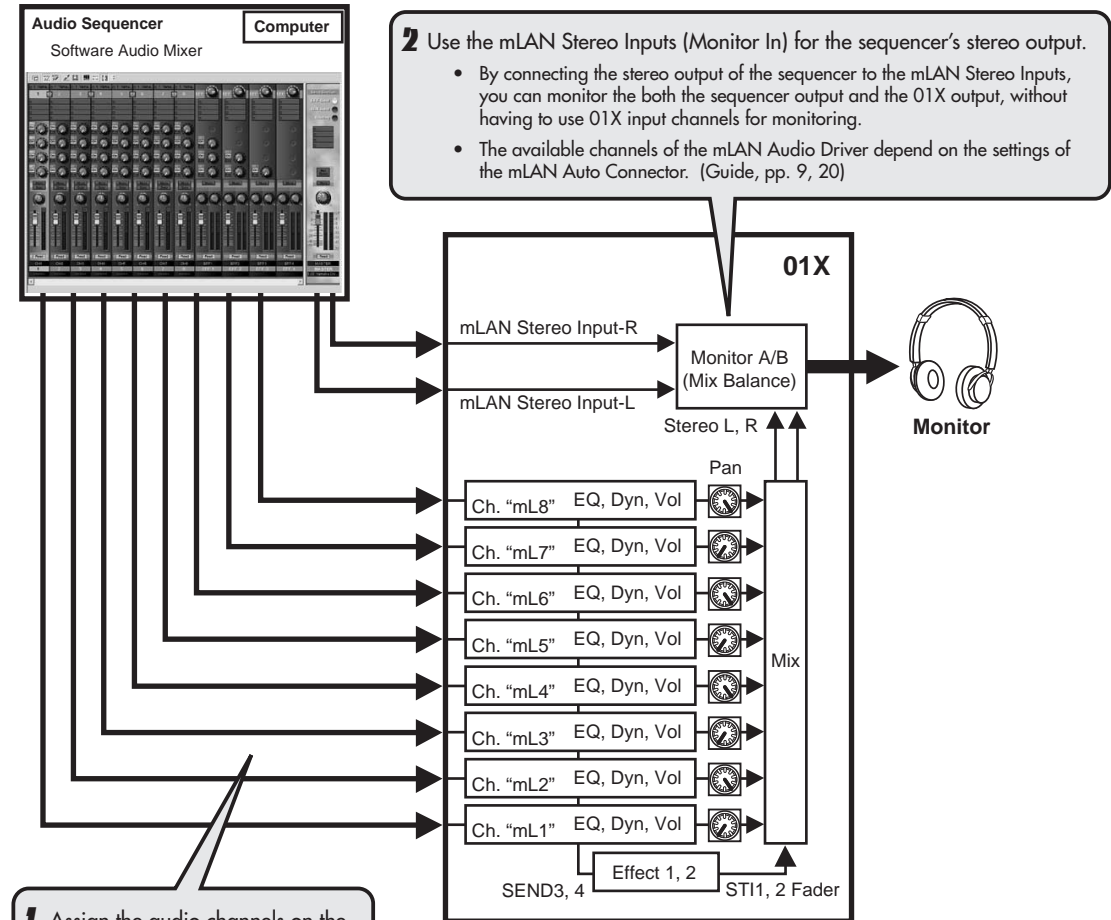
Stereo Playback (two-channel mix)

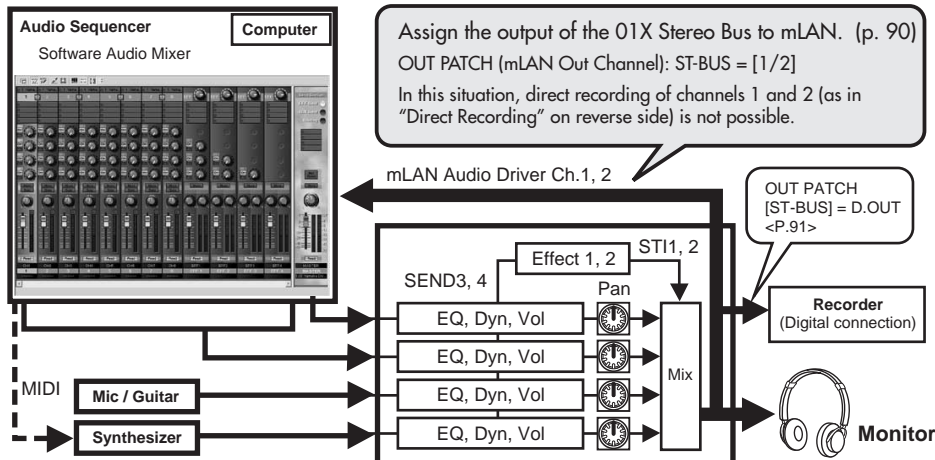This setup lets you play back the main stereo output from the software mixer (DAW) from the 01X.

Audio Sequencer | **Computer**
Software Audio Mixer

1 Send the main stereo output of the sequencer to channels 1 and 2 of the mLAN Audio Driver. (See step #8, p. 70.)

2 Set the mLAN 1 and 2 channels (Layer 9-16) to stereo pair operation and adjust the level by one of the faders.
1. Simultaneously press [SEL] of both mL1 and mL2.
2. Press knob 5 or 6 (RESET-BOTH). (p. 102)

01X

Ch. "mL2" (Layer 9-16) — Pan
EQ, Dyn, Vol
EQ, Dyn, Vol — Mix
Ch. "mL1"
Effect 1, 2
SEND3, 4

Monitor

Recording and Mixdown Using the 01X

This setup lets you use the 01X to mixdown the individual audio channels of the sequencer (see application #2 at right) along with any live instruments/vocals input to the 01X, and record everything to the sequencer. In this way, you can mixdown to stereo two-track on your computer and master the recorded song in an audio editor.

Audio Sequencer | **Computer**
Software Audio Mixer

Assign the output of the 01X Stereo Bus to mLAN. (p. 90)
OUT PATCH (mLAN Out Channel): ST-BUS = [1/2]
In this situation, direct recording of channels 1 and 2 (as in "Direct Recording" on reverse side) is not possible.

mLAN Audio Driver Ch.1, 2

OUT PATCH [ST-BUS] = D.OUT <P.91>

SEND3, 4 — Effect 1, 2 — STI1, 2
Pan
EQ, Dyn, Vol
EQ, Dyn, Vol — Mix
EQ, Dyn, Vol
EQ, Dyn, Vol

Recorder (Digital connection)

MIDI
Mic / Guitar
Synthesizer

Monitor

Playback of Individual Channels

In this setup, each audio channel on the software mixer (DAW) is sent to the corresponding channel of the 01X.

Audio Sequencer | **Computer**
Software Audio Mixer

2 Use the mLAN Stereo Inputs (Monitor In) for the sequencer's stereo output.
- By connecting the stereo output of the sequencer to the mLAN Stereo Inputs, you can monitor the both the sequencer output and the 01X output, without having to use 01X input channels for monitoring.
- The available channels of the mLAN Audio Driver depend on the settings of the mLAN Auto Connector. (Guide, pp. 9, 20)

01X

mLAN Stereo Input-R
mLAN Stereo Input-L — Monitor A/B (Mix Balance)
Stereo L, R

Monitor

Pan
Ch. "mL8" — EQ, Dyn, Vol
Ch. "mL7" — EQ, Dyn, Vol
Ch. "mL6" — EQ, Dyn, Vol
Ch. "mL5" — EQ, Dyn, Vol — Mix
Ch. "mL4" — EQ, Dyn, Vol
Ch. "mL3" — EQ, Dyn, Vol
Ch. "mL2" — EQ, Dyn, Vol
Ch. "mL1" — EQ, Dyn, Vol

SEND3, 4 — Effect 1, 2 — STI1, 2 Fader

1 Assign the audio channels on the sequencer to the channels of the mLAN Audio Driver, from channel 1 in order. (p. 70)

The actual output settings differ depending on the sequencer (DAW).
For example:
- Each mixer channel on the sequencer is assignable to one of the mLAN channels.
- Each mixer channel on the sequencer is assigned to a bus, and the bus is assignable to one of the mLAN channels.