

SQUID MIDI Implementation Guide

This document describes the MIDI messages transmitted and received by the SQUID.

You can edit the SQUID MIDI settings in the [GLOBAL] setting of this unit.

For the MIDI settings of this unit, please refer to the Operating Instructions.

MIDI Messages

System Real Time Messages

Status	Description
0111 1000	MIDI Timing Clock
0111 1010	Start
0111 1011	Continue
0111 1100	Stop

Received Channel Messages

SQUID records the received MIDI messages in a sequence.

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1000 nnnn	0kkk kkkk	0vvv vvvv	Note Off. Velocity is ignored.
1001 nnnn	0kkk kkkk	0vvv vvvv	Note On. Note Off if 0vvv vvvv=0.

Transmitted Channel Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1001 nnnn	0kkk kkkk	0vvv vvvv	Note On. Note Off if 0vvv vvvv=0.
1011 nnnn	0vvv vvvv	0vvv vvvv	Control Change. See "Transmitted Controller Messages".
1100 nnnn	0vvv vvvv	0000 0000	Program Change.

Transmitted Controller Messages

Status	Description		
1st data byte	2nd data byte	3rd data byte	
1011 nnnn	0000 0000	0vvv vvvv	Bank Select(MSB).
1011 nnnn	0010 0000	0vvv vvvv	Bank Select(LSB).
1011 nnnn	0111 1000	0000 0000	All Sound Off.

* In addition, SQUID has a mode to transmit Control Change MIDI message called CC mode.

You can control the parameters of external equipment from the unit by assigning up to 5 MIDI controller numbers to each track and sequencing (step recording) the MIDI control values into each step.

For details of CC mode, please refer to the Operating Instructions.

Where:

0kkk kkkk	Note Number 0-127.
nnnn	Channel Number 0 to 15 (MIDI Channel 1 to 16). * Ignored if MIDI channel set to ALL.
0vvv vvvv	Value