

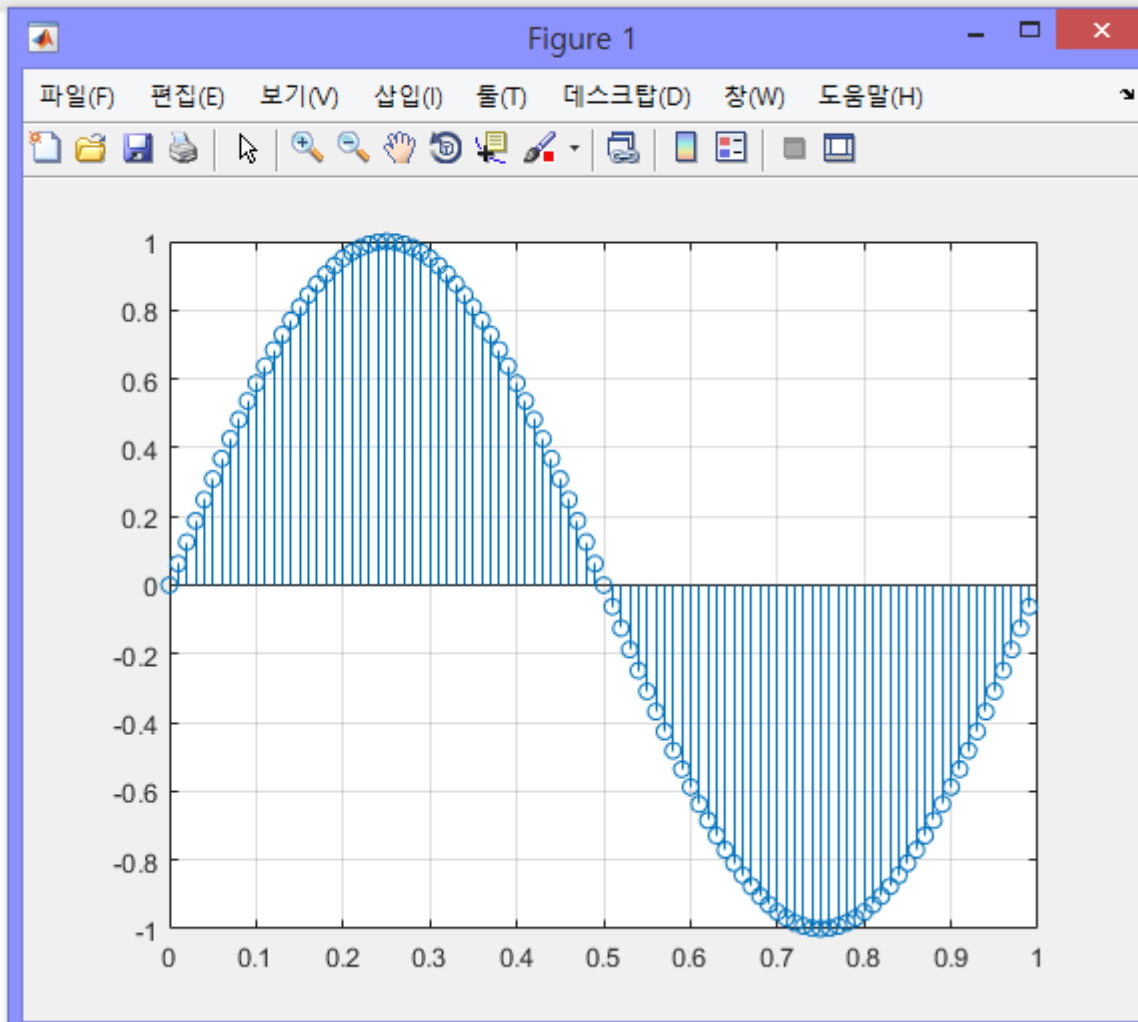
How to use Numeric Control Oscillator

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명령 창

```
>> t = 0:0.01:1-0.01;  
>> y = sin(2 * pi * t);  
>> stem(t, y)  
>> grid on
```

fx >>



Simulink/Lookup Tables

Simulink

Commonly Used Blocks

Continuous

Dashboard

Discontinuities

Discrete

Logic and Bit Operations

Lookup Tables

Math Operations

Model Verification

Model-Wide Utilities

Ports & Subsystems

Signal Attributes

Signal Routing

Sinks

Sources

User-Defined Functions

▶ Additional Math & Discrete

Aerospace Blockset

Actuators

Aerodynamics

▶ Animation

▶ Environment

▶ Equations of Motion

Flight Parameters

Flight Instruments

▶ GNC

Mass Properties

Pilot Models

Propulsion

▶ Utilities

Audio System Toolbox

Dynamic Range Control

Effects

Filters

Sinks

Sources

Communications System Toolbox

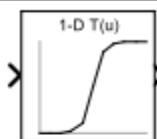
Channels

Comm Filters

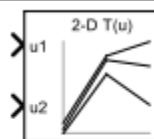
Comm Sinks

▶ Comm Sources

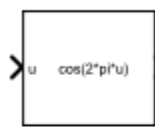
Equalizers



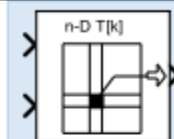
1-D Lookup Table



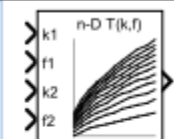
2-D Lookup Table



Cosine



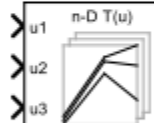
Direct Lookup Table (n-D)



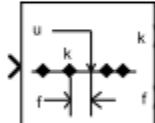
Interpolation Using Prelookup



Lookup Table Dynamic



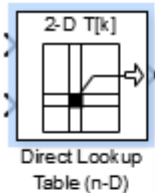
n-D Lookup Table



Prelookup



Sine



Block Parameters: Direct Lookup Table (n-D)

Direct Lookup Table (n-D)

Table member selection. Inputs are zero-based indices into the table, e.g., an input of 3 returns the fourth element in that dimension. Block can also be used to select a column or 2-D matrix out of the table. The first selection index corresponds to the top (or left) input port.

Main | Table Attributes

Number of table dimensions: 1

Inputs select this object from table: Element

☐ Make table an input

Table data: y| Edit...

Diagnostic for out-of-range input: Warning

OK Cancel Help Apply

Simulink/Sources

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Comm Sinks

▶ Comm Sources

Equalizers



Band-Limited
White Noise



Chirp Signal



Clock



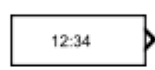
Constant



Counter
Free-Running



Counter
Limited



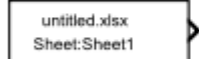
Digital Clock



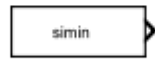
Enumerated
Constant



From File



From Spreadsheet



From
Workspace



Ground



In1



Pulse
Generator



Ramp



Random
Number



Repeating
Sequence



Repeating
Sequence
Interpolated



Repeating
Sequence
Stair



Signal Builder



Signal
Generator



Sine Wave



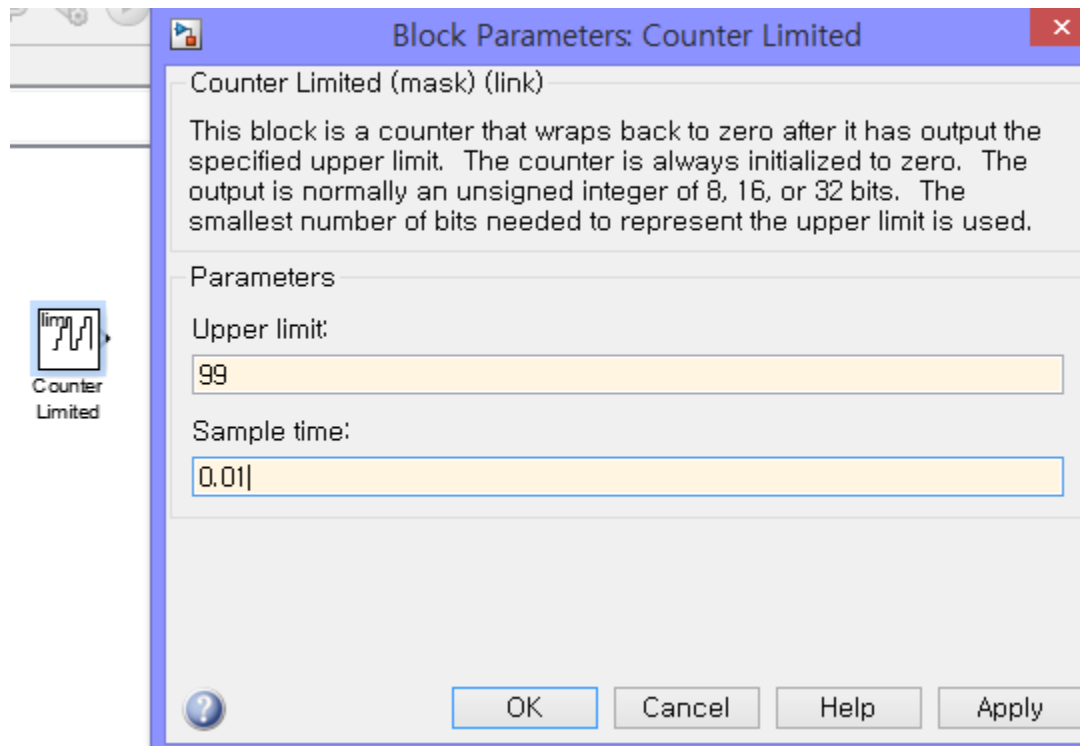
Step

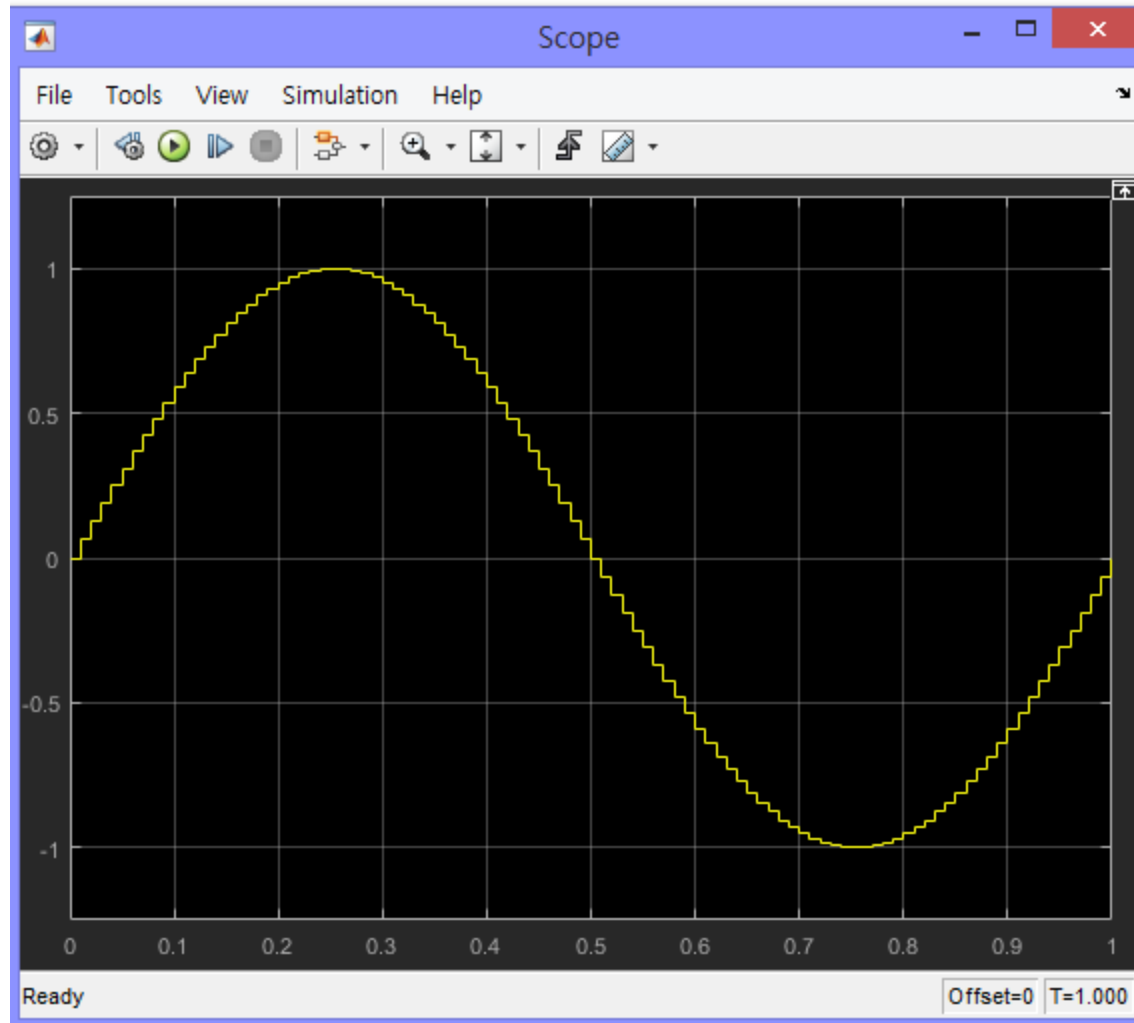
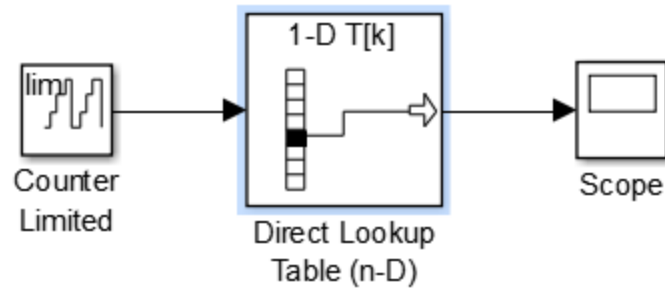


Uniform Random
Number



Waveform
Generator





DSP System Toolbox/Sinks

- Mass Properties
- Pilot Models
- Propulsion
- Utilities
- Audio System Toolbox
 - Dynamic Range Control
 - Effects
 - Filters
 - Sinks
 - Sources
- Communications System Toolbox
 - Channels
 - Comm Filters
 - Comm Sinks
 - Comm Sources
 - Equalizers
 - Error Detection and Correction
 - Interleaving
 - MIMO
 - Modulation
 - RF Impairments
 - RF Impairments Correction
 - Sequence Operations
 - Source Coding
 - Synchronization
 - Utility Blocks
- Communications System Toolbox
- Communications System Toolbox
- Computer Vision System Toolbox
- Control System Toolbox
- DSP System Toolbox
 - Estimation
 - Filtering
 - Math Functions
 - Math Operations
 - Matrices and Linear Algebra
 - Polynomial Functions
 - Quantizers
 - Signal Management
 - Signal Operations
 - Sinks
 - Sources



Array Plot



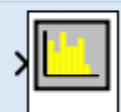
Audio Device
Writer



Display



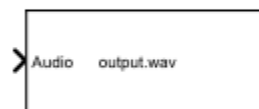
Matrix
Viewer



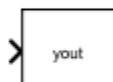
Spectrum
Analyzer



Time
Scope



To Multimedia File



To Workspace



Triggered
To Workspace



UDP Send



Vector
Scope



Waterfall
Scope

