

# TECHNICAL BULLETIN

**[Issue No.]** T99-0042

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**[Title]** Provisions for discontinued production of MELSOFT  
MX Series communication support software tools

**[Date of Issue]** Sep., '04

**[Relevant Models]** MELSOFT MX Series communication support software tools  
MX Links, MX Chart, MX Monitor, MX Works

We thank you for your continued support for our MELSOFT MX Series communication support software tools.

Please be acknowledged that some of the MELSOFT MX Series communication support software tool products that have long been supported by you will be dropped from production as described below.

## 1. Products dropped from production

Product name	Model name
Basic communication support tool MX Links	SW3D5F-CSKP/SW3D5F-CSKP-5/SW3D5F-CSKP-10/SW3D5F-CSKP-20/SW3D5F-CSKP-V
	SW3D5F-CSKP-E/SW3D5F-CSKP-E5/SW3D5F-CSKP-E10/SW3D5F-CSKP-E20
	SW3D5F-CSKP-EV
Excel communication support tool MX Chart	SW3D5F-OLEX/SW3D5F-OLEX-5/SW3D5F-OLEX-10/SW3D5F-OLEX-V
	SW3D5F-OLEX-E/SW3D5F-OLEX-E5/SW3D5F-OLEX-E10/SW3D5F-OLEX-EV
Monitoring tool MX Monitor	SW3D5F-XMOP/SW3D5F-XMOP-5/SW3D5F-XMOP-10/SW3D5F-XMOP-V
	SW3D5F-XMOP-E/SW3D5F-XMOP-E5/SW3D5F-XMOP-E10/SW3D5F-XMOP-EV
Set product MX Works	SW3D5F-CSOLEX/SW3D5F-CSOLEX-E
	SW3D5F-CSXMOP/SW3D5F-CSXMOP-E

## 2. Production cease timing

- Order deadline : End of February 2005
- Production cease date : End of March 2005

## 3. Acceptance of repair

- Repair acceptance period : End of March 2012 (for seven years after cease of production)

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## 4. Replacement products and actions to be taken

Product dropped from production	Replacement product	Action to be taken
Basic communication support tool MX Links SW3D5F-CSKP/SW3D5F-CSKP-5/ SW3D5F-CSKP-10/SW3D5F-CSKP-20/ SW3D5F-CSKP-V <sup>*1</sup> SW3D5F-CSKP-E/SW3D5F-CSKP-E5/ SW3D5F-CSKP-E10/SW3D5F-CSKP-E20/ SW3D5F-CSKP-EV <sup>*1</sup>	MX Component  SWnD5C-ACT-J  SWnD5C-ACT-E	Using MX Component (SWnD5C-ACT), create a new communication program area. Refer to [(1) List of comparison between MX Component and MX Links functions]. Refer to [(2) How to change a communication program for MX Links into the one for MX Component].
Excel communication support tool MX Chart SW3D5F-OLEX SW3D5F-OLEX-5 SW3D5F-OLEX-10 SW3D5F-OLEX-V <sup>*1</sup> SW3D5F-OLEX-E SW3D5F-OLEX-E5 SW3D5F-OLEX-E10 SW3D5F-OLEX-EV <sup>*1</sup>	MX Sheet  SW1D5C-SHEET-J  SW1D5C-SHEET-E	Using the data conversion function of MX Sheet, convert the MX Chart settings into the settings for operation on MX Sheet. Refer to [(3) List of comparison between MX Sheet and MX Chart functions].
Monitoring tool MX Monitor SW3D5F-XMOP SW3D5F-XMOP-5 SW3D5F-XMOP-10 SW3D5F-XMOP-V <sup>*1</sup> SW3D5F-XMOP-E SW3D5F-XMOP-E5 SW3D5F-XMOP-E10 SW3D5F-XMOP-EV <sup>*1</sup>	SoftGOT(GTD2)	Using SoftGOT (GTD2), examine creating a new tool. Refer to [(4) List of comparison between SoftGOT and MX Monitor functions].
Set product MX Works SW3D5F-CSOLEX SW3D5F-CSOLEX-E SW3D5F-CSXMOP/SW3D5F-CSXMOP-E	MX Works SW1D5C-SHEETSET-J SW1D5C-SHEETSET-E  SoftGOT(GTD2)	Using the data conversion function of MX Sheet, convert the MX Links/MX Chart settings into the settings for operation on MX Sheet.  Using SoftGOT(GTD2), examine creating a new tool.

\*1: There are no replacement products for -V and -EV (updates).

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**(1) List of comparison between MX Component and MX Links functions**

	Item	MX Component	MX Links
Function	Communication line opening		Available
	Communication line closing		Available
	Device batch-read		Available
	Device batch-write		Available
	Device random-read		Available
	Device random-write		Available
	Buffer memory read		Available
	Buffer memory write		Available
	Clock data read	Available	Not available
	Clock data write	Available	Not available
	PLC CPU type read		Available
	Remote Run/Stop/Pause		Available
	Device status monitor	Available	Not available
	Gets error message	Available	Not available
	Accessing the shared devices (EM/ED)	Not available	Available
Support CPU	A series (including motion controller CPU)		Available
	QnA series		Available
	High Performance model QCPU		Available
	Basic model QCPU	Available	Not available
	Process control CPU	Available	Not available
	PC CPU	Available	Not available
	SX Controller(QSS)	Available	Not available
Support communication route	CPU COM communication		Available
	CPU USB communication		Available
	Ethernet communication		Available
	Computer link communication		Available
	MELSECNET/II communication		Available
	MELSECNET/10 communication		Available
	MELSECNET/H communication		Available
	CC-Link communication		Available
	CC-Link G4 communication		Available
	CPU board communication		Available
	AF communication		Available
	GX Simulator communication		Available
	Modem communication	Available	Not available
GOT gateway function communication	Available	Not available	
Q series bus communication	Available	Not available	
Programming language		Visual C++6.0 Visual C++.NET2003 Visual Basic6.0 Visual Basic.NET2003 ExcelVBA AccessVBA VBScript	Visual C++4.2/5/6 Visual Basic4/5/6
System software		Windows 95/98/Me/ NT4.0/2000/XP	Windows 95/98/ NT4.0

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## (2) How to change a communication program for MX Links into the one for MX Component

The following provides how to change a communication program for MX Links into the one for MX Component.  
(Execution conditions for program example)

- Personal computer-computer link communication is made.
- The logical station number set on MX Links is "1".
- 10 points are batch-read from the PLC device "D0".

### (a) Communication program example of MX Links (before change)

(In the case of Visual Basic)

```
Private Sub Command1_Click()  
    Dim rtn As Integer  
    Dim Path As Long  
    Dim data(10) As Integer  
  
    rtn = mdOpen(31, -1, Path)  
    rtn = mdReceive(Path, 1, DevD, 0, 20, data(0))  
    rtn = mdClose(Path)  
  
End Sub
```

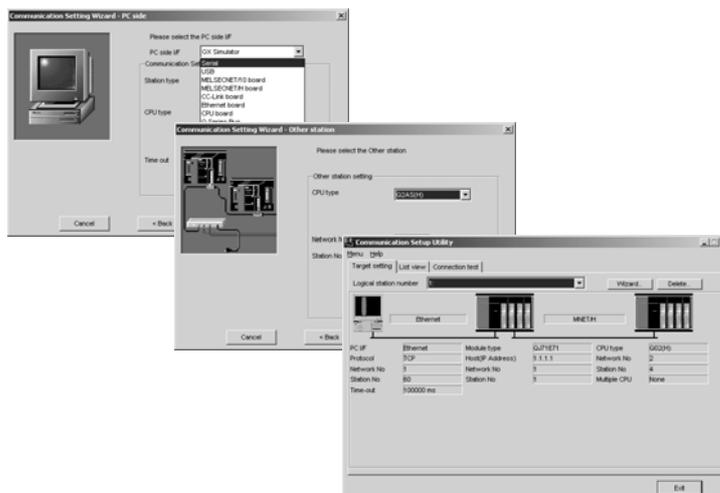
(In the case of Visual C++)

```
void CSampleDlg::OnButton1()  
{  
    short rtn ;  
    long path;  
    short data[10];  
    short size;  
  
    size = 20;  
    rtn = mdOpen(31,-1,&path);  
    rtn = mdReceive(path,1,DevD,0,&size,data);  
    rtn = mdClose(path);  
}
```

### (b) Procedure for replacement by MX Component and communication program example (after change)

#### 1) Make communication settings

Make settings in a wizard-driven interactive manner.



\* On MX Component, all supported communication routes are set by this communication setup utility. The logical station numbers are managed together as one regardless of the communication routes.  
(MX Links has a communication setup utility for each communication route (channel). The logical station number is managed on each communication route.)

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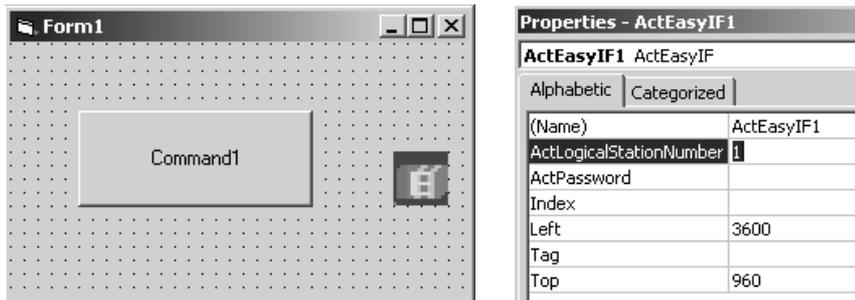
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## 2) Perform programming

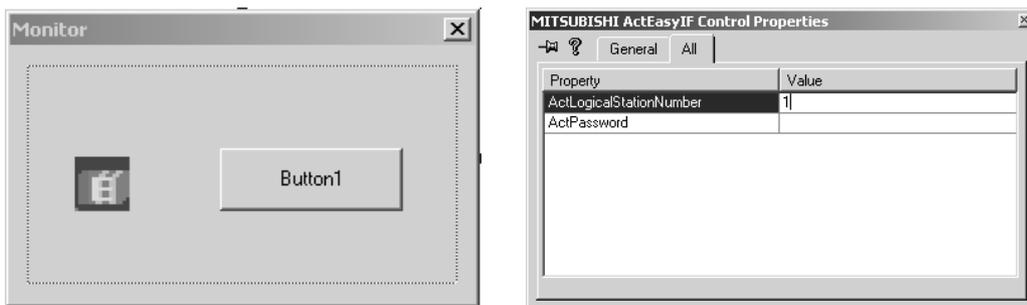
(In the case of Visual Basic)



Paste a communication control to a form, and set the logical station number to the property.  
Change the program as described below.

```
Private Sub Command1_Click()  
    Dim rtn As Long  
    Dim data(10) As Integer  
  
    rtn = ActEasyIF1.Open()  
    rtn = ActEasyIF1.ReadDeviceBlock2("D0",10, data(0))  
    rtn = ActEasyIF1.Close()  
End Sub
```

(In the case of Visual C++)



Paste a communication control to a form, and set the logical station number to the property.  
Change the program as described below.

```
void CSampleDlg::OnButton1()  
{  
    long rtn;  
    short data[10];  
  
    rtn = m_ActEasyIF.Open();  
    rtn = m_ActEasyIF.ReadDeviceBlock2(_T("D0"),10,data);  
    rtn = m_ActEasyIF.Close();  
}
```

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## (c) Comparison between MX Links and MX Component programs

### (In the case of Visual Basic)

MX Links

```
Private Sub Command1_Click()  
    Dim rtn As Integer  
    Dim Path As Long  
    Dim data(10) As Integer
```

```
rtn = mdOpen(31, -1, Path)  
rtn = mdReceive(Path, 1, DevD, 0, 20, data(0))  
rtn = mdClose(Path)
```

End Sub

MX Component

```
Private Sub Command1_Click()  
    Dim rtn As Long  
    Dim data(10) As Integer
```

```
rtn = ActEasyIF1.Open()  
rtn = ActEasyIF1.ReadDeviceBlock2("D0",10, data(0))  
rtn = ActEasyIF1.Close()
```

End Sub

### (In the case of Visual C++)

MX Links

```
void CSampleDlg::OnButton1()  
{  
    short rtn ;  
    long path;  
    short data[10];  
    short size;
```

```
size = 20;  
rtn = mdOpen(31,-1,&path);  
rtn = mdReceive(path,1,DevD,0,&size,data);  
rtn = mdClose(path);  
}
```

MX Component

```
void CSampleDlg::OnButton1()  
{  
    long rtn;  
    short data[10];
```

```
rtn = m_ActEasyIF.Open();  
rtn = m_ActEasyIF.ReadDeviceBlock2(_T("D0"),10,data);  
rtn = m_ActEasyIF.Close();  
}
```

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### (3) List of comparison between MX Sheet and MX Chart functions

	Item	MX Sheet	MX Chart
Monitor	Number of cell areas that can be set	1000/1 Excel Book	
	Number of device points/cell area	1000 points	
	Communication interval	From 0.1 seconds on	From 0.5 seconds on
	Number of CSV logging save points	1000 points	Not available
	Number of CSV logging save lines	9999999 lines	Not available
Logging	Number of cell areas that can be set	100/1 Excel Book	
	Number of device points/cell area	256 points	
	Number of logging lines/cell area	65536 lines	2000 lines
	Communication interval	From 0.1 seconds on	From 1 second on
	Number of CSV logging save points	256 points	Not available
Write	Number of CSV logging save lines	9999999 lines	Not available
	Number of cell areas that can be set	1000/1 Excel Book	
	Number of device points/cell area	1000 points	
Alarm summary	Communication interval	From 0.1 seconds on	From 0.5 seconds on
	Number of cell areas that can be set	100/1 Excel Book	
	Number of device points/cell area	300 points	
	Number of history lines/cell area	65536 lines	300 lines
Comment	Communication interval	From 0.1 seconds on	From 0.5 seconds on
	Number of cell areas that can be set	500/1 Excel Book	
	Number of device points/cell area	1 point	
	Number of comments/cell area	1000 comments	
Automatic save/automatic print	Communication interval	From 0.1 seconds on	From 0.5 seconds on
	Time designation	Available	
	Device trigger designation	Available	Not available
1 shot communication	Automatic save format	ExcelBook,CSV,HTML	ExcelBook
	Monitor	Available	
	Logging	Available	
	Write	Available	
Macro	Comment	Available	Not available
	Read function	Not available	Available
	Write function	Not available	Available

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#### (4) List of comparison between SoftGOT and MX Monitor functions

Item		SoftGOT(GTD2)	MX Monitor
Part display	Graphic display	Available	Available (XMPICTUR.OCX)
	Blink display	Available	Available (XMBLINK.OCX)
	Comment display	Available	Available (XMCMT.OCX)
Graph display	Level display	Available	Available (XMLEVEL.OCX)
	Line graph display	Available	Available (XMLINGRF.OCX)
	Trend graph display	Available	Available (XMTREND.OCX)
	Bar graph display	Available	Available (XMBARGRF.OCX)
	Pareto chart display	Not available	Available (XMPALLET.OCX)
Block display/input	Historical trend graph display	Available	Available (XMHSTTRD.OCX)
	Numeric block data display/input	Available	Available (XMNUMBLI.OCX)
Display/input	Character string block data display/input	Available	Available (XMSTRBLI.OCX)
	Numeric data display/input	Available	Available (XMNUMDAT.OCX)
	Character string data display/input	Available	Available (XMSTRDAT.OCX)
Input	Bit device operation (bit input)	Available	Available (XMBITOPR.OCX)
	Word write	Available	Available (XMWRWORD.OCX)
Other	Bit write	Available	Available (XMWRBIT.OCX)
	Event occurrence	Available	Available (XMEVENT.OCX)
	Snap shot	Available	Available (XMSNPSHT.OCX)
	Alarm display	Available	Available (XMCATION.OCX)
	Alarm summary display	Available	Available (XMALMSMR.OCX)
	Error	-	Available (XMERROR.OCX)
	Clock display	Available	Available (XMCLOCK.OCX)

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