



**DSX Access Systems, Inc.**

## **EventCast**

### **DSX EventCast**

The EventCast program will allow other software to receive event messages from the WinDSX software in near real time. These messages can be transmitted via a serial port, or via LAN using UDP. Any or all of the transmission methods may be used simultaneously.

A start sentinel of your choosing can be appended to the front of each event.  
An end sentinel of your choosing can be appended to the back of each event.  
A carriage return can also be added to the back of each event.  
The structure of the events sent by EventCast is as follows.

Command EventSerialNum Location Device IO Priority EventType NA NA NA Year Month Day Hour  
Minute Second WorkStationNum NA NA NA NA Code Text1Length Text2Length Text1Text2

All fields are separated by one or more ASCII space characters.

### **Example Event:**

```
1 34 1 0 -1 0 8 0 0 2004 2 17 13 19 8 0 13421568 282 0 0 3 94 0 *02/17/2004 1:19:08 PM .. (1) .. Access  
Granted .. ENGINEERING NORTH FRONT DOOR .. HOLZER, BART
```

Command	1
EventSerialNumber	34
Location	1
Device	0
IO	-1 (Indicates Not Applicable) 0 = Input 1, 1 = input 2.....7 = input 8 **
Priority	0
EventType	8 (Access Granted, see SYS.mdb Event table for list of events)
NA	0
NA	0
NA	0
Year	2004
Month	2
Day	17
Hour	13
Minute	19
Second	8
WorkStation #	0
NA	13421568
NA	282
NA	0
NA	0
Code	3 (Card Number)
Text1Length	94
Text2Length	0
Text1	*02/17/2004 1:19:08 PM .. (1) .. Access Granted .. EN etc.....
Text2	"" (empty)

## Testing

For testing we have included a test mode and 2 programs. One to test each method of transmitting the data.

To catch RS-232 data use KB2CW.exe

To catch UDP data use KB2UDP.exe

## Installation

1. Copy the EventCast folder and its contents to the PC that will be running it. This can be the Comm Server PC or other.
2. Run the EventCast.exe program.
3. Select "Settings" from the Menu choices at the Top.
4. Select "Define Comm Server" and under "IP Address" enter the TCP/IP address of the Comm Server PC and under "Port" enter 22223 .
5. Then from the "Settings" menu select "Define Target Comm Port" if sending the data to a serial port, or select "Define Target UDP Port" if sending it to an IP Address.
6. Select "Settings" and then "Transmission Attributes". Enter any Start of Line Text or End of Line Text that you require to EventCast to send at the beginning or end of each line. Place a Check in the "Append CR Character" box if you want each line to be followed by a carriage return.
7. Each Time a new line (Event) is displayed in the WinDSX Workstation program the EventCast program will also receive one.

DSX Access Systems Inc.

Written by: C:\WINDSX\EVENTCAST.TXT

Written on: 08/04/2011 12:44:25

EXE version: 3.0.0.1

VERSION: 3  
COMM\_SERVER\_IP: 172.25.16.139  
COMM\_SERVER\_PORT: 22223  
COM\_PORT\_ACTIVE: N  
COM\_PORT: 1  
BAUD: 9600  
WORDLENGTH: 8  
STOPBITS: 1  
PARITY: N  
UDP\_ACTIVE: Y  
UDP\_IP: 172.25.16.139  
UDP\_PORT: 4050  
STARTING\_STR:  
ENDING\_STR:  
APPEND\_CR: N  
TEST\_MODE: N

# EventCast Application Drawing

