

a:control

NGCommand



Diagraph GmbH

Friedrich-Bergius-Ring 30

97076 Würzburg

Germany

Phone: +49 (0) 931-25076-0

FAX: +49 (0) 931 25076-50

E-Mail: support@diagraph.de

Web: www.diagraph.de

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Note:

All screenshots and pictures of the application which are shown in this document are to be taken as examples and are subjected to the copyright of Diagraph GmbH.

1. System requirements

PC-Hardware	Requirements
Software	a:control installation 2026.1

It's possible that the software is running without problems on differing system constellations. The performance of the application will possibly slow down with older hardware. Most important for a faultless application execution is enough free working memory and hard disk space.

NG Systems:

Printer-Hardware	Requirements
Printer model	NGT2, NGT2+, NGT4, NGT4+, NGT6, NGT6E, NGT8, NGT8E
Firmware	Printer firmware versions up from: TTNG: N7.3.02-R MES: MES005.0-R
Connectivity	Serial or Ethernet Network

2. Command line

The NGCommand.exe is available in the current a:control installation. This command can be used to get/set printer properties

Run from dos prompt:

NGCommand -?

NG CommandLine 1.7.5.60802

Valid commands are: -ip={ipaddress:port} -comport={COM1 COM2..} -timeout={command timeout in ms} -forceconnect -username={a:control user} -username={a:control user} -password={a:control password} -input={path to inputfile} -esc={ESC sequence} -show -list -listR -listRW -set={propertyname;propertyvalue} -get={propertyname} -firmware={path to ttng.exe} -send={path to *.txt *.acc *.lab} -start={path to exe} -delay={msseconds} -fullresponse -upload={filenameOnPrinter;localFileName} -directory -triggerprint -variablenames -variableset={variablename;variablevalue} -variableget={variablename} -serialset={variablename;variablevalue;...} -serialdelete={variablename} -listnative -attributesnative={propertyname} -getnative={propertyname} -setnative={propertyname;propertyvalue}	- connect to printer via TCP/IP - connect to printer via COM port - specify command timeout - quits existing a:control instance - a:control username (mandatory if passwords enabled) - a:control password (mandatory if passwords enabled) - send content of inputfile to printer - send escape sequence to printer - show request command in output - list properties - list readable properties - list writeable properties - set property value - get property value - upload new firmware - send label to printer - start process - set delay for response - show full response - upload file to printer - show root directory of printer - trigger print - list variable names - set variable content - get variable content - append values to serialization content - delete serialization content - list attributes of native printerdrive - get native property attributes - get native property value - set native property value
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Examples:

get guid from a printer (useable for fileparser xml)

```
NGCommand -ip=192.168.173.70 -get=Guid
B29695F57B8C4E2290E99C4B02ECCF8B
```

Read density from printer

```
cd C:\Program Files (x86)\Diagraph\AControl
NGCommand -ip=192.168.173.70 -get=Density
050
```

Read density from printer with timeout

```
NGCommand -ip=192.168.173.70 -get=Density -timeout=300
051
```

Read density from printer with full response

```
NGCommand -ip=192.168.173.70 -get=Density -fullresponse
~00000006<ZOK27~00000007<ZOK005
```

Set density in printer

```
NGCommand -ip=192.168.173.70 -set=Density,51
~00000006<ZOK27~00000004<ZOK~00000007<ZOK051
```

Process escape sequence

```
NGCommand -ip=192.168.173.70 -esc=R17
000
```

Read printer status

```
C:\Program Files (x86)\Diagraph\AControl>NGCommand -ip=192.168.173.70 -get=Status
AZ_NERI_LAN7.3.03V-R00000000000450100061000001
```

List variable names

```
ngcommand -ip=192.168.173.73 -variablenames
VIDM
VILINE1
```

Set content of variable

```
ngcommand -ip=192.168.173.73 -variableset=VIDM;111111
True
```

Get content of variable

```
ngcommand -ip=192.168.173.73 -variableget=VIDM
111111
```

Get content of variable into text file

```
ngcommand -ip=192.168.173.73 -variableget=VIDM >"C:\Users\ac\Desktop\output\temp.txt"
```

List writeable properties

```
ngcommand -ip=192.168.173.71 -listRW
```

```
AktFormat
AuditCode
AutoPrint
BackwardSpeed
CarriagePosition
ConnectionString
Country
CurrentPrinterName
DateFormat
DebugVar
Density
ErrorLevel
ErrorMessage
FirstWeekdaySunday
FoilSave
FormatOrientation
ImcmMode
InhibitLevel
IsCom1Handshaking
LateralAdvance
LeisteMeterTotal
LowFoil
MachineSpeed
MaxFormatLength
MaxSpeed
MinSpeed
MonthType
NetworkFitted
HysteresisScaleFactor
NumberOfAdvances
PcModus
PostValveDelay
PrintCount
PrintDelay
PrintDelayEnd
PrinterBuffer
PrintheadResistance
PrintheadSerialNumber
PrintInterrupt
PrintLevel
PrintPulse
PrintQuantity
PrintQuantityCounter
PrintSpeed
Quantity
RelayLevel
ResetPrintKm
ResetPrintKmTotal
TotalPrintCounter
PrintCounter
Resistance
RibbonAdvance
```

RibbonCount
RibbonErrorStatus
RibbonLength
RibbonTotal
RibbonType
RibbonWarningState
SendError
ErrorMessages
SevenDayBatch
Speed
Suppressprintinterruptionerror
ThermalbarDelay
ThermalbarUpDelay
TimeOffset
TimeOutCom1Ms
TimeOutNetworkMs
VolatileMode
WarningRibbonLength
WatchedDirectory
YearFormat

List readable properties

ngcommand -ip=192.168.173.71 -listR

Busy
Cpld
DimmPc
DocSpace
ErrorStatus
Firmware
FirmwareNetworkCard
FirmwareVersion
FormatName
FreeSpace
Guid
HeadVersion
Idle
Ip
IsDemoMode
IsSerialConnected
LastErrorNumber
Mes
Offset
PendingErrorsCount
PrinterDateTime
PrinterDescription
PrinterId
PrintMode
Sensors
Status
TotalSpace
TouchScreenVersion