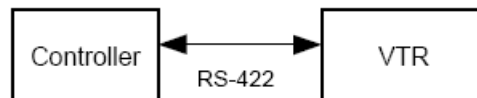


## RS422 machine control



“machine control” generally refers to remote control of television production or broadcast equipment, typically VTR’s, VCR’s, switchers, etc. More often than not, this involves an RS-422 serial connection between the controller and the controlled device. Although multimachine (multidrop, addressable) protocols are sometimes used, mainly in audio editing suites, most installations are point-to-point.



The controller may be a dedicated VTR controller, an editing system, a workstation or any other device capable of sending out the serial control messages as required. The serial link baud rate is often 38400 bits/sec., although some new telecine equipment works at much higher rates. Typically, the controller will issue a command (“Play”), whereupon the controlled equipment will return an ACK and commence playing . If the command has been incorrectly formed, or some other error causes the equipment to reject it, a NACK will be returned, sometimes with a byte indicating the reason why.

