

## PBX PROTOCOLS

Some configuration values will be automatically entered when a protocol is selected and saved.  
See the ip.buffer User Manual for additional information.

### ASCII Lines

The default protocol that will work in the majority of cases for both Serial and TCP/IP PBXs. Reads in single lines from the source and strips the top bit of data (D7), and strips control codes.

Option to force CR/LF line ending.

### Alcatel TCP/IP [port 2533] (App Note: AN010)

The ip.buffer can collect CDR data from the Alcatel range of PBXs across the network.

**Source** = TCP **Connect** = "ipbuffer to Device (active/client)" *-forced*

**Address** = IP address of PBX **Port** = 2533 *-forced*

*Note: It's vital that only one client connects to the Alcatel at a time or CDR delivery will be unreliable*

### Avaya RSP TCP/IP

The Avaya uses the Reliable Session Protocol (RSP).

**Source** = TCP **Connect** = "Device to ipbuffer (passive/server)" *-forced*

**Allow** = blank (or IP of PBX) **Port** = 9000 (default -can be changed, but must match PBX)

Set the Avaya: Enter the IP address of the ip.buffer

The Avaya can also be configured to deliver CDR by raw TCP/IP socket which is much more efficient. Use the standard "ASCII Lines" for this.

### Binary (full 8-bit)

The binary protocol will store all incoming data and will not look for record terminators. All 8-bits of data are stored without any modification.

### Generic Records

Designed for legacy PBXs, it provides a more flexible protocol than "ASCII Lines", because it will:

- terminate the record with CR+LF sequence
- discard incomplete records that do not terminate in the "Suffix" character string
- keep data between the Prefix and Suffix strings
- optionally send an Acknowledge string

### Inter-Tel/Mitel Axxess & 5000 TCP/IP [port 4000]

Provides the sign-on process to initiate CDR records from the Inter-Tel PBX. The ip.buffer declares itself as "ip.buffer-00-02-ae-xx-xx-xx" (where xx-xx-xx is the serial number).

**Source** = TCP **Connect** = "ipbuffer to Device (active/client)"

**Address** = IP address of PBX **Port** = 4000 (or set to match PBX)

### NEC NEAX (STX/ETX) Serial

This protocol is for the serial-connected NEC PBX where each chunk of data is enclosed in STX(0x02)...ETX(0x03) binary characters. Option for:

Text Lines Discards all other data, including the STX/ETX markers, and appends a CR+LF

Raw (STX..ETX) Saves all data, including the STX/ETX markers

### NEC NEAX TCP/IP

The ip.buffer automatically resolves the NEAX Device ID and parity settings for the link.

**Source** = TCP **Connect** = "ipbuffer to Device (active/client)"

**Address** = IP address of PBX **Port** = 60010 (default)

### Nortel BCM Live TCP/IP

*[in SSL firmware only]*

**Source** = TCP **Connect** = "ipbuffer to Device (active/client)"

**Address** = IP address of PBX **Parameters:** set the Username & Password to match BCM

