```
libxbee - a C library to aid the use of Digi's Series 1 XBee modules
 2:
 3:
                  running in API mode (AP=2).
 4:
 5:
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19: */
20:
21: #define TRUE 1
22: #define FALSE 0
23:
24: #define ISREADY
     if (!xbee_ready) {
25:
26:
        fprintf(stderr,"XBee: Run xbee_setup() first!...\n"); \
27:
        exit(1);
28:
29:
30: #define M8(x) (x & 0xFF)
31: #define FDO(x,y,z)
     if (((x) = fdopen((y),(z))) == NULL) {
32:
33:
       perror("fopen()");
34:
        return(-1);
35:
36: #define FO(x,y,z)
     if (((x) = open((y),(z))) == -1) {
37:
       perror("open()");
38:
39:
        return(-1);
40:
41:
42: struct t data {
43:
      unsigned char data[128];
44:
      unsigned int length;
45: };
46: typedef struct t_data t_data;
47:
48: struct t_info {
49:
    int i;
50: };
51: typedef struct t_info t_info;
52:
53: struct {
      xbee_con *conlist;
54:
55:
      pthread_mutex_t conmutex;
56:
      xbee_pkt *pktlist;
57:
58:
      pthread_mutex_t pktmutex;
59:
60:
      pthread_mutex_t sendmutex;
61:
62:
      pthread_t listent;
63:
64:
      xbee_con *con_txStatus;
65:
66:
      int ttvfd;
      FILE *tty;
67:
68:
69:
      char *path;
70: } xbee;
71:
72: void *Xmalloc(size_t size);
73: void *Xrealloc(void *ptr, size_t size);
74: #define Xfree(x) Xfree2((void **)&x)
75: void Xfree2(void **ptr);
76:
77: void xbee_listen(t_info *info);
78: unsigned char xbee_getByte(void);
79: unsigned char xbee_getRawByte(void);
80: int xbee_matchpktcon(xbee_pkt *pkt, xbee_con *con);
81:
82: t_data *xbee_make_pkt(unsigned char *data, int len);
83: void xbee_send_pkt(t_data *pkt);
```