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Loop AM3440 RT Card, Bridge Mode
December, 2011

The Loop AM3440 RT card can be used in bridge mode. The following shows how to set this up.

The screen below is the Port System screen for LAN1-WAN16. This is accessed from the main screen after logging in with "O", then selecting the slot with the "U" and slot letter or number. Then select option "S - Unit System(LAN1-WAN16)". Set LAN1, LAN2, and WAN1 as shown below.

```
Tera Term Web 3.1 - 192.168.3.227 VT
File . Edit  Setup  Web  Control  Window  Help
SLOT F  RTR LAN/WAN === Port System(LAN1-WAN16) Setup ===  10:07:06 12/07/2011
ARROW KEYS: CURSOR MOVE, Please Input: nnn.nnn.nnn.nnn, BACKSPACE to edit

NI       IPAddress        SubnetMask       Frame      RIP_I    RIP_II   Mode
LAN1     000.000.000.000  000.000.000.000  ETHERNET   DISABLE  DISABLE  BRIDGE
LAN2     000.000.000.000  000.000.000.000  ETHERNET   DISABLE  DISABLE  BRIDGE
WAN1     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  BRIDGE
WAN2     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN3     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN4     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN5     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN6     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN7     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN8     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN9     000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN10    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN11    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN12    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN13    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN14    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN15    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER
WAN16    000.000.000.000  000.000.000.000  HDLC       DISABLE  DISABLE  ROUTER

<< Press ESC key to return to previous menu >>
```

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Next assign the time slots for the WAN1 port. Use the router setup "M -> Unit DS0 MAP Setup".
Assign as many DS-0s as needed. The example below shows 4 time slots, 256 kbps (64k x 4).

```
Tera Term Web 3.1 - 192.168.3.227 VT                                        _ □ ×
File  Edit   Setup   Web   Control   Window   Help
SLOT  F   RTR  LAN/WAN           === Port DS0 MAP Setup ===            10:12:03 12/07/2011   ▲
ARROW KEYS: CURSOR MOVE, TAB: ROLL OPTIONS


TimeSlot WANPort           TimeSlot WANPort
TS1   :   WAN1             TS17 :    Idle
TS2   :   WAN1             TS18 :    Idle
TS3   :   WAN1             TS19 :    Idle
TS4   :   WAN1             TS20 :    Idle
TS5   :   Idle             TS21 :    Idle
TS6   :   Idle             TS22 :    Idle
TS7   :   Idle             TS23 :    Idle
TS8   :   Idle             TS24 :    Idle
TS9   :   Idle             TS25 :    Idle
TS10  :   Idle             TS26 :    Idle
TS11  :   Idle             TS27 :    Idle
TS12  :   Idle             TS28 :    Idle
TS13  :   Idle             TS29 :    Idle
TS14  :   Idle             TS30 :    Idle
TS15  :   Idle             TS31 :    Idle
TS16  :   Idle             TS32 :    Idle



<< Press ESC key to return to previous menu >>                                ▼
```

Under the "W -> Unit Ethernet CRC Transparency" option, set the CRC encapsulation as desired. If
communicating with an old Coastcom D/I Mux, set the option to OFF. If Loop to Loop set both ends
to the same, both OFF or both ON.

```
Tera Term Web 3.1 - 192.168.3.227 VT                                        _ □ ×
File  Edit   Setup   Web   Control   Window   Help
SLOT  F   RTR  LAN/=== Port Ethernet CRC Transparency Setup ==10:43:24 12/07/2011   ▲
ARROW KEYS: CURSOR MOVE, TAB: ROLL OPTIONS





Ethernet CRC Encapsulation on WAN : OFF
















Note: for bridge mode only
<< Press ESC key to return to previous menu >>                                ▼
```

Now back out to the main Controller Menu, select "S -> System Setup" then "C -> TSI Map Setup" and proceed to map the time slots. Below is a sample mapping screen showing 4 time slots being mapped between a T1 card and the RT router card.

```
Tera Term Web 3.1 - 192.168.3.227 VT                                          _ □ ×
File · Edit · Setup  Web  Control  Window  Help
LOOP AM3440-D              === System Setup (MAP) ===        10:58:17 12/07/2011  ▲
ARROW KEYS: CURSOR MOVE, TAB: ROLL OPTIONS
MAP NO: MAP_1
           Target      T1      CAS              Source      RTR
Target     PO/TS D SL/PO TS PO/TS D SL/PO TS    PO/TS D SL/PO TS PO/TS D SL/PO TS
Slot  :  A ===== ========== ===== ==========    ===== ========== ===== ==========
Port  :        1 d             17 d  J 1  5        1 d             17 d
T.S.  : 01     2 d             18 d  J 1  6        2 d             18 d
               3 d             19 d  J 1  7        3 d             19 d
               4 d             20 d  J 1  8        4 d             20 d
T.S.# : 04     5 d             21 d  J 1  9        5 d             21 d
Clear : No     6 d             22 d  J 1 10        6 d             22 d
d/v   : d      7 d             23 d  J 1 11        7 d             23 d
               8 d             24 d  J 1 12        8 d             24 d
               9 v  C 1  1                         9 d             25 d
Source        10 v  C 2  2                        10 d             26 d
Slot  : F     11 v  C 3  3                        11 d             27 d
Port  :       12 v  C 4  4                        12 d             28 d
T.S.  : 01    13 d  J 1  1                        13 d             29 d
              14 d  J 1  2                        14 d             30 d
Confirm?Yes   15 d  J 1  3                        15 d             31 d
              16 d  J 1  4                        16 d             32 d

<< Press ESC to return to Controller Setup menu, then Press D to active >>      ▼
```

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