



XT-MLR



XT-1LR

TagMaster XT-MLR & XT-1LR Long-Range Readers and ACT Enterprise

This document describes the process for getting the Tag Master XT-Mini & XT-1 readers to work with ACT Enterprise.

Table of content

TagMaster XT-MLR Mini Long-Range Reader

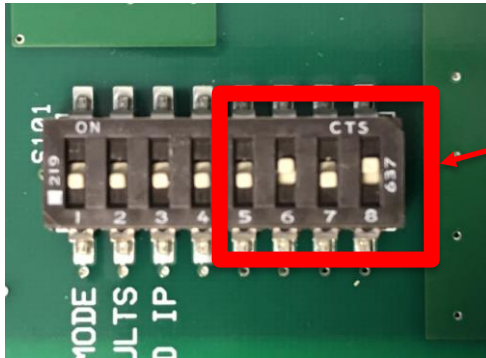
Error! Bookmark not defined.

- | | |
|---|---|
| 1. Configure Reader | 2 |
| 2. Wire Reader to Controller | 2 |
| 3. Verify number in software | 4 |
| 4. Wiring a TagMaster XT reader as Entry or Exit reader | 4 |

SUPPORT INFORMATION

1. Configure Reader

Both Tagmaster readers need no more configuration than to amend the DIP switch settings on **S101**, to the following: (Clock&Data ref: M8N/H10320 – 8-digit Magstripe)



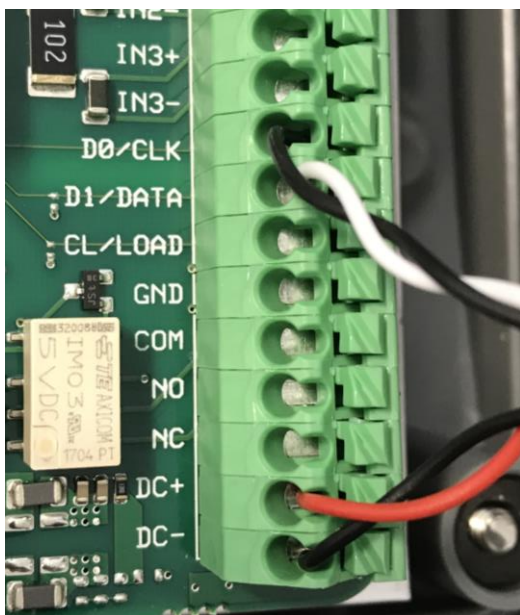
S101
6 – On
7 – Off
8 – On

2. Wire Reader to Controller

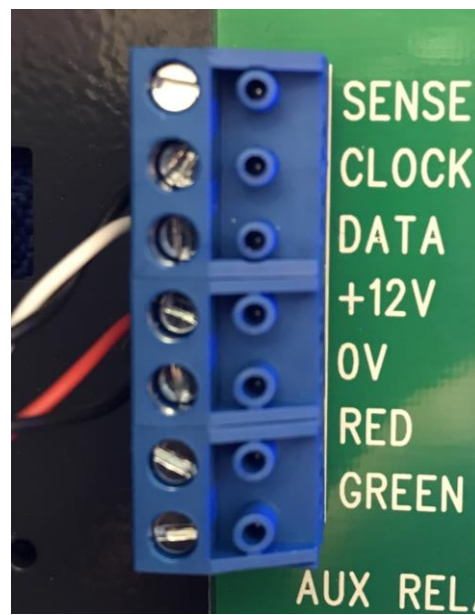
2.1 XT-MLR

Wire the reader to the controller, using the conventional Clock & Data method. In the example below the power to the reader is also being supplied by the controller, so 4 wires in total are used.

Note: XT-MLR needs a power of 4W, meaning 350mA @ 12V. The ACT controllers' Reader interfaces can deliver directly this current, so there is no need for an additional PSU connection to the reader.



XT-MLR



ACT Controller/Door Station

SUPPORT INFORMATION

2.2 XT-1LR

Wire the reader to the controller using the conventional Clock & Data method.

The X1-LR needs a power of 10W, meaning 850mA @ 12V.

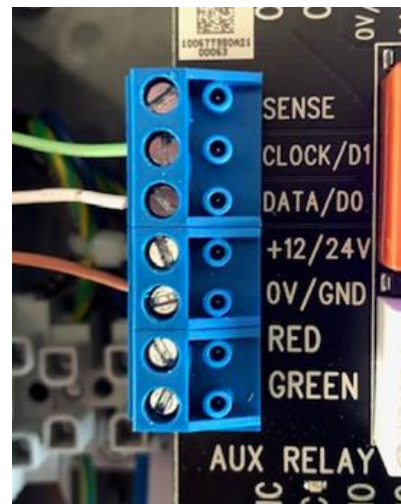
The ACT controllers' Reader interfaces can **NOT** deliver directly this power (due to fuse calibration).

Therefore the X1-LR reader must be powered directly from the +12VDC output on the embedded PSU block (ACT1520e) or from an external PSU (ACT1500), depending on the current PSU loading.

XT-1LR



ACT Controller/Door Station



ACT Controller with 2A PSU

Note : As the Reader 12VDC supply is not coming from the ACT Reader interface – an additional wire for 0V is **MANDATORY**, to ground the data interface (brown wire in the example)

If not connected, ACT reads an incorrect badge format.

SUPPORT INFORMATION

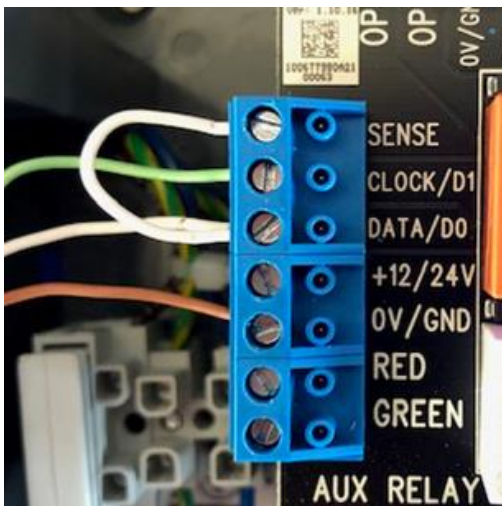
3. Verify number in software

Confirm the number that is printed on the card, or tag matches that received in the software.

Time	Event	Location	Details
17-06-2019 12:35:44	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:31	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:20	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:16	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:14	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:08	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:35:04	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:34:59	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:34:41	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:34:37	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:34:34	Unrecognized Card	Door 3 - 1	Card: 30201563
17-06-2019 12:34:33	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:34:31	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:34:30	Unrecognized Card	Door 3 - 1	Card: 30201563
17-06-2019 12:33:51	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:33:40	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:33:38	Unrecognized Card	Door 3 - 1	Card: 30201562
17-06-2019 12:33:20	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:33:19	Unrecognized Card	Door 3 - 1	Card: 30275636
17-06-2019 12:33:15	Unrecognized Card	Door 3 - 1	Card: 30201563
17-06-2019 12:33:12	Unrecognized Card	Door 3 - 1	Card: 30201563
17-06-2019 12:33:05	Unrecognized Card	Door 3 - 1	Card: 30201561

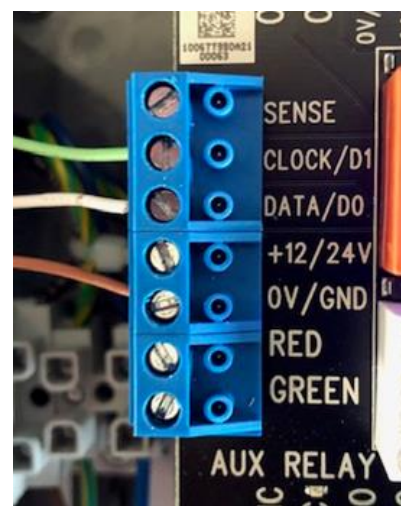


4. Wiring a TagMaster XT reader as Entry or Exit reader



Entry reader

Connect Data/D0 to SENSE



Exit reader

SUPPORT INFORMATION



If you have any questions, please contact our Technical Competence Centre.
Contact details can be found on our website.

VANDERBILT

vanderbiltindustries.com

[@VanderbiltInd](https://www.instagram.com/VanderbiltInd) [Vanderbilt Industries](https://www.facebook.com/VanderbiltIndustries)

Vanderbilt International GmbH

Borsigstrasse 34
65205 Wiesbaden
Germany

