# 4 Chapter 4: RUI Page



## The RUI Page

To go to the RUI Page from the Home Page, press both the Down ▼ and Advance ⟳ keys for three seconds. [L] (local) will appear in the Zone Display, [CoMM] will appear in the upper display and [rUi] will appear in the lower display.

- Press the Up ▲ or Down ▼ key to move through the menus.
- Press the Advance Key ⟳ to select a menu.
- Press the Advance Key ⟳ to move through the parameters of the menu.
- Press the Up ▲ or Down ▼ key to move through the parameter values.
- Press the Infinity Key ∞ to move backwards through the levels: parameter to menu; menu to Home Page.
- Press and hold the Infinity Key ∞ for two seconds to return to the Home Page.

[COMM]
[rUi] **Communications Menu** (1 to 2)
[COMM] **Communications**
**Comm Instance 1**
[Add] **Standard Bus Address**
[St.Zn] **Start Zone Address**
[nU.Zn] **Number of Zones**
**Comm Instance 2**
[Add] **Address Modbus**
[bAUd] **Baud Rate Modbus**
[PAr] **Parity Modbus**
[MWhL] **Modbus Word Order**
[IP.M] **IP Address Mode**
[IP.F1] **IP Fixed Address (Part 1)**
[IP.F2] **IP Fixed Address (Part 2)**
[IP.F3] **IP Fixed Address (Part 3)**
[IP.F4] **IP Fixed Address (Part 4)**
[IP.F5] **IP Fixed Address (Part 5)**
[IP.F6] **IP Fixed Address (Part 6)**
[IP.S1] **IP Fixed Subnet (Part 1)**
[IP.S2] **IP Fixed Subnet (Part 2)**
[IP.S3] **IP Fixed Subnet (Part 3)**
[IP.S4] **IP Fixed Subnet (Part 4)**
[IP.S5] **IP Fixed Subnet (Part 5)**
[IP.S6] **IP Fixed Subnet (Part 6)**
[IP.G1] **IP Fixed Gateway (Part 1)**
[IP.G2] **IP Fixed Gateway (Part 2)**
[IP.G3] **IP Fixed Gateway (Part 3)**
[IP.G4] **IP Fixed Gateway (Part 4)**
[IP.G5] **IP Fixed Gateway (Part 5)**
[IP.G6] **IP Fixed Gateway (Part 6)**
[MWbE] **Modbus TCP Enable**
[E.IPE] **EtherNet/IP Enable**
[Add] **DeviceNet Address**
[bAUd] **Baud Rate**
[FCE] **DeviceNet Quick Connect Enable**
[PAdd] **Profibus DP Address**
[ALoc] **Profibus DP Address Lock**
[C_F] **Display Units**

[GLbL]
[rUi] **Global Menu**
[CLEd] **Communications LED Action**
[dt.i] **Menu Display Timer**
[USr.S] **User Save**
[USr.r] **User Restore**

[GtwJ]
[rUi] **Gateway Menu**
[GtwJ] **Gateway (1 to 16)**
[du.En] **Device Enabled**
[du.St] **Device Status**
[MMoF] **Modbus Address Offset**
[oSt] **CIP Instance Offset**
[Ao.nb] **CIP Implicit Output Assembly Member Quantity**
[Ai.nb] **CIP Implicit Input Assembly Member Quantity**
[S.oF] **Profibus DP Slot Offset**

[LoC]
[rUi] **Security Setting Menu**
[PASE] **Password Enabled**
[rLoC] **Read Lock**
[SLoC] **Write Security**
[LoCL] **Locked Access Level**
[roLL] **Rolling Password**
[PAS.u] **User Password**
[PAS.A] **Administrator Password**

[ULoC]
[rUi] **Security Setting Menu**
[CodE] **Public Key**
[PASS] **Password**

[diAG]
[rUi] **Diagnostics Menu**
[Pn] **Part Number**
[rEv] **Firmware Revision**
[SbLd] **Software Build Number**
[Sn] **Serial Number**
[dAtE] **Date of Manufacture**
[IP.AC] **IP Actual Address Mode**
[IP.A1] **IP Actual Address Part 1**
[IP.A2] **IP Actual Address Part 2**
[IP.A3] **IP Actual Address Part 3**
[IP.A4] **IP Actual Address Part 4**
[IP.A5] **IP Actual Address Part 5**
[IP.A6] **IP Actual Address Part 6**

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| CoMM (instance 2 appears if PN is equal to: EZK _-_ [2, 3, 5 or 6] _ _-A _ AA)<br>rUi<br>**Communications Menu** | | | | | | | | |
| Ad.S<br>[ Ad.S] | *Communications 1*<br>**RUI Address**<br>Set the Standard Bus address of this RUI. Each RUI on the network must have a unique address. | 1 to 8 | 1 | 410 | 0x96 (150)<br>1<br>1 | - - - - | 17001 | uint<br>RWE |
| St.Zn<br>[St.Zn] | *Communications 1*<br>**Start Zone**<br>Set the lowest Standard Bus address that this RUI will communicate with.<br>Narrowing the range of addresses will speed up some operations. | 1 to 24 | 1 | - - - - | - - - - | - - - - | 17004 | |
| nU.Zn<br>[nU.Zn] | *Communications 1*<br>**Number of Zones**<br>Set the number of contiguous Standard Bus addresses that this RUI will communicate with.<br>Narrowing the range of addresses will speed up some operations. | 1 to 24 | 8 | - - - - | - - - - | - - - - | 17005 | |
| Ad.M<br>[Ad.M] | *Communications 2*<br>**Address Modbus**<br>Set the network address of this gateway. Each device on the network must have a unique address. | 1 to 247 | 1 | 432 | 0x96 (150)<br>2<br>2 | - - - - | 17007 | uint<br>RWE |
| bAUd<br>[bAUd] | *Communications 2*<br>**Baud Rate Modbus**<br>Set the speed of this controller's gateway to match the speed of the serial network. | 9,600<br>19,200<br>38,400 | 9,600 | 434 | 0x96 (150)<br>2<br>3 | - - - - | 17002 | uint<br>RWE |
| PAr<br>[ PAr] | *Communications 2*<br>**Parity Modbus**<br>Set the parity of this gateway to match the parity of the serial network. | nonE None<br>EuEn Even<br>odd Odd | None | 436 | 0x96 (150)<br>2<br>4 | - - - - | 17003 | uint<br>RWE |
| M.hL<br>[M.hL] | *Communications 2*<br>**Modbus Word Order**<br>Select the word order of the two 16-bit words in the floating-point values. | Loh, Low-High<br>h,Lo High-Low | Low-High | 438 | 0x96 (150)<br>2<br>5 | - - - - | 17043 | uint<br>RWE |
| iP.M<br>[iP.M] | *Communications 2*<br>**IP Address Mode**<br>Select DHCP to let a DHCP server assign an address to this gateway. | dhCP DHCP<br>FAdd Fixed Address | DHCP | - - - - | - - - - | - - - - | 17012 | |
| ip.F1<br>[ip.F1] | *Communications 2*<br>**IP Fixed Address Part 1**<br>Set the IP address of this gateway. Each device on the network must have a unique address.<br>**Note:**<br>Power must be cycled for a modified IP address to take affect. | 0 to 255 | 169 | - - - - | - - - - | - - - - | 17044 | uint<br>RW |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| ,P.F2 [ip.F2] | *Communications 2* **IP Fixed Address Part 2** Set the IP address of this gateway. Each device on the network must have a unique address. | 0 to 255 | 254 | - - - - | - - - - | - - - - | 17045 | uint RW |
| ,P.F3 [ip.F3] | *Communications 2* **IP Fixed Address Part 3** Set the IP address of this gateway. Each device on the network must have a unique address. | 0 to 255 | 1 | - - - - | - - - - | - - - - | 17046 | uint RW |
| ,P.F4 [ip.F4] | *Communications 2* **IP Fixed Address Part 4** Set the IP address of this gateway. Each device on the network must have a unique address. | 0 to 255 | 1 | - - - - | - - - - | - - - - | 17047 | uint RW |
| ,P.F5 [ip.F4] | *Communications 2* **IP Fixed Address Part 5** Set the IP address of this gateway. Each device on the network must have a unique address. | 0 to 255 | 1 | - - - - | - - - - | - - - - | 17048 | uint RW |
| ,P.F6 [ip.F6] | *Communications 2* **IP Fixed Address Part 6** Set the IP address of this gateway. Each device on the network must have a unique address. | 0 to 255 | 1 | - - - - | - - - - | - - - - | 17049 | uint RW |
| ,P.S1 [ip.S1] | *Communications 2* **IP Fixed Subnet Part 1** Set the IP subnet mask for this gateway. | 0 to 255 | 255 | - - - - | - - - - | - - - - | 17020 | uint RW |
| ,P.S2 [ip.S2] | *Communications 2* **IP Fixed Subnet Part 2** Set the IP subnet mask for this gateway. | 0 to 255 | 255 | - - - - | - - - - | - - - - | 17021 | uint RW |
| ,P.S3 [ip.S1] | *Communications 2* **IP Fixed Subnet Part 3** Set the IP subnet mask for this gateway. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17022 | uint RW |
| ,P.S4 [ip.S4] | *Communications 2* **IP Fixed Subnet Part 4** Set the IP subnet mask for this gateway. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17023 | uint RW |
| ,P.S5 [ip.S4] | *Communications 2* **IP Fixed Subnet Part 5** Set the IP subnet mask for this gateway. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17024 | uint RW |
| ,P.S6 [ip.S4] | *Communications 2* **IP Fixed Subnet Part 6** Set the IP subnet mask for this gateway. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17025 | uint RW |
| ,P.g1 [ip.g1] | *Communications 2* **IP Fixed Gateway Part 1** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17026 | uint RW |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| ,P.92 [ip.g2] | *Communications 2* **IP Fixed Gateway Part 2** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17027 | uint RW |
| ,P.93 [ip.g3] | *Communications 2* **IP Fixed Gateway Part 3** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17028 | uint RW |
| ,P.94 [ip.g4] | *Communications 2* **IP Fixed Gateway Part 4** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17029 | uint RW |
| ,P.95 [ip.g4] | *Communications 2* **IP Fixed Gateway Part 5** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17030 | uint RW |
| ,P.96 [ip.g4] | *Communications 2* **IP Fixed Gateway Part 6** Set the router IP address for the remote network. | 0 to 255 | 0 | - - - - | - - - - | - - - - | 17031 | uint RW |
| MbE [Mb.E] | *Communications 2* **Modbus TCP Enable** Activate Modbus TCP. | no No<br>YES Yes | Yes | - - - - | - - - - | - - - - | 17041 | uint RWE |
| E,PE [EiP.E] | *Communications 2* **EtherNet/IP™ Enable** Activate Ethernet/IP™. | no No<br>YES Yes | Yes | - - - - | - - - - | - - - - | 17042 | uint RWE |
| Add [ Ad.d] | *Communications 2* **DeviceNet™ Node Address** Set the DeviceNet™ address for this gateway. | 0 to 63 | 63 | - - - - | - - - - | - - - - | 17052 | uint RWE |
| bAUd [bAUd] | *Communications 2* **Baud Rate DeviceNet™** Set the speed of this gateway's communications to match the speed of the serial network. | 125 125 kb<br>250 250 kb<br>500 500 kb | 125 | - - - - | - - - - | - - - - | 17053 | uint RWE |
| FCE [ FC.E] | *Communications 2* **DeviceNet™ Quick Connect Enable** Allows for immediate communication with the scanner upon power up. | no No<br>YES Yes | No | - - - - | - - - - | - - - - | 17054 | uint RWE |
| P.Add [P.Add] | *Communications 2* **Profibus Address** Set the Profibus DP address for this gateway. | no No<br>YES Yes | No | - - - - | - - - - | - - - - | 17060 | uint RWE |
| A.Loc [A.Loc] | *Communications 2* **Profibus DP address lock** When set to yes will not allow address to be changed using software. Can be changed from front panel. | no No<br>YES Yes | No | - - - - | - - - - | - - - - | 17061 | uint RWE |
| C_F [ C_F] | *Communications 2* **Display Units** Select which scale to use for temperature passed over communications port 2. | F F<br>C C | F | 440 | 0x96 (150)<br>2<br>6 | 25 | 17050 | uint RWE |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| GLbL<br>rUi<br>**Global Menu** | | | | | | | | |
| CLEd<br>[C.LEd] | *Global Menu*<br>**Communications LED Action**<br>Turns comms LED on or off for selected comms ports. | Con1 Comm port 1<br>Con2 Comm port 2<br>both Comm port 1 and 2<br>oFF Off | Both | 386 | 0x67 (103)<br>1<br>0x0E (14) | - - - - | 3014 | uint<br>RWES |
| dt i<br>[ d.ti] | *Global Menu*<br>**Display Time**<br>Time delay in toggling between channel 1 and channel 2. | 0 to 60 | 0 | - - - - | 0x67 (103)<br>1<br>0x1D (29) | - - - - | 3029 | uint<br>RWES |
| USr.S<br>[USr.S] | *Global Menu*<br>**User Settings Save**<br>Save all of this controller's settings to the selected set. | SEt1 User Set 1<br>SEt2 User Set 2<br>nonE None | None | 26 | 0x65 (101)<br>1<br>0x0E (14) | 8 | 1014 | uint<br>RWE |
| USr.r<br>[USr.r] | *Global Menu*<br>**User Restore Settings**<br>Replace all of this controller's settings with another set. | FCty Factory (31)<br>nonE None (61)<br>SEt1 User Set 1 (101)<br>SEt2 User Set 2 (102) | None | 24 | 0x65 (101)<br>1<br>0x0D (13) | 7 | 1013 | uint<br>RWE |
| GtbJ (menu appears if PN is equal to: EZK _-_ [2, 3, 5 or 6] _ _-A _ AA)<br>rUi<br>**Gateway Menu** | | | | | | | | |
| du.En<br>[du.En] | *Gateway (1 to 16)*<br>**Gateway Enabled**<br>Turn the gateway for this Standard Bus controller address on or off. | no No<br>yES Yes | Yes | 452<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>2 | 18 | 24002 | uint<br>RWE |
| du.St<br>[du.St] | *Gateway (1 to 16)*<br>**Device Status**<br>Indicates whether the RUI and gateway are communicating. | oFF Off<br>on On | Off | 460<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>6 | - - - - | 24006 | uint<br>R |
| M.oF<br>[M.oF] | *Gateway (1 to 16)*<br>**Modbus Address Offset**<br>Set the Modbus offset for this Standard Bus controller address. | 0 to 9,999 | 0 | 454<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>3 | - - - - | 24003 | uint<br>RWE |
| oSt<br>[ oSt] | *Gateway (1 to 16)*<br>**CIP Instance Offset**<br>Set CIP instance member offset for this Standard Bus controller address. | 0 to 255 | 0 | 456<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>4 | - - - - | 24004 | uint<br>RWE |
| Ao.nb<br>[Ao.nb] | *Gateway (1 to 16)*<br>**CIP Implicit Output Assembly Member Quantity**<br>Set the CIP assembly size for this Standard Bus controller address. | 0 to 20 | 0 | 466<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>9 | - - - - | 24009 | uint<br>RWE |
| Ai.nb<br>[Ai.nb] | *Gateway (1 to 16)*<br>**CIP Implicit Input Assembly Member Quantity**<br>Set the CIP assembly size for this Standard Bus controller address. | 0 to 20 | 0 | 46/8<br>[offset 20] | 0x7C (124)<br>1 to 0x18 (24)<br>0x0A (10) | - - - - | 24010 | uint<br>RWE |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| SoF [ So.F] | *Gateway (1 to 16)* **Profibus DP Slot Offset** Set Profibus instance member offset for this Standard Bus controller address. | 0 to 254 | Gateway instance 1 (0), 2 (20), 3 (40), all other instances (up to 16) multiple of 20 | - - - - | 0x7C (124) 1 to 0x18 (24) 0x0B (11) | 19 | 24011 | uint RWE |
| LoC rui **Security Setting Menu** | | | | | | | | |
| PASE [LoC.P] | *Security Setting* **Password Enable** Turn security features on or off. | oFF Off<br>on On | Off | - - - - | - - - - | - - - - | 3009 | uint RWE |
| rLoC [rLoC] | *Security Setting* **Read Lock** Set the read security clearance level. The user can access the selected level and all lower levels.<br>If the Set Lockout Security level is higher than the Read Lockout Security, the Read Lockout Security level takes priority. | 1 to 5 | 5 | 378 | 0x67 (103) 1 0x0A (10) | - - - - | 3010 | uint RWE |
| SLoC [SLoC] | *Security Setting* **Write Security** Set the write security clearance level. The user can access the selected level and all lower levels.<br>If the Set Lockout Security level is higher than the Read Lockout Security, the Read Lockout Security level takes priority. | 0 to 5 | 5 | 380 | 0x67 (103) 1 0x0B (11) | - - - - | 3011 | uint RWE |
| LoCL [LoC.L] | *Security Setting* **Locked Access Level** Determines user level menu visibility when security is enabled. See Features section under Password Security. | 1 to 5 | 5 | - - - - | - - - - | - - - - | 3016 | uint RWE |
| roLL [roLL] | *Security Setting* **Rolling Password** When power is cycled a new Public Key will be displayed. | oFF Off<br>on On | Off | - - - - | - - - - | - - - - | 3019 | uint RWE |
| PASu [PAS.u] | *Security Setting* **User Password** Used to acquire access to menus made available through the Locked Access Level setting. | 10 to 999 | 63 | - - - - | - - - - | - - - - | 3017 | uint RWE |
| PASA [PAS.A] | *Security Setting* **Administrator Password** Used to acquire full access to all menus. | 10 to 999 | 156 | - - - - | - - - - | - - - - | 3018 | uint RWE |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| ULoC<br>rUi<br>**Unlock Security Setting Menu** | | | | | | | | |
| CodE<br>[CodE] | *Security Setting*<br>**Public Key**<br>If Rolling Password turned on, generates a random number when power is cycled. If Rolling Password is off fixed number will be displayed. | Customer Specific | 0 | - - - - | - - - - | - - - - | 3020 | uint<br>R |
| PASS<br>[PASS] | *Security Setting*<br>**Password**<br>Number returned from calculation found in Features section under Password Security. | -1999 to 9999 | 0 | - - - - | - - - - | - - - - | 3022 | int<br>RW |
| diAG<br>rUi<br>**Diagnostics Menu** | | | | | | | | |
| Pn<br>[ Pn] | *Diagnostics Menu*<br>**Part Number**<br>Display the RUI/GTW part number. | 15 characters | None | - - - - | 0x65 (101)<br>1<br>9 | 5 | 1009 | string<br>R |
| rEu<br>[ rEu] | *Diagnostics Menu*<br>**Software Revision**<br>Display the RUI/GTW firmware revision number. | 1 to 10 | - - - - | 4 | 0x65 (101)<br>1<br>3 | 6 | 1003 | dint<br>R |
| S.bLd<br>[ S.bLd] | **Software Build**<br>View the software build number. | 0 to 2, 147,483,647 | - - - - | 8 | 0x65 (101)<br>1<br>5 | - - - - | 1005 | dint<br>R |
| Sn<br>[ Sn] | **Serial Number**<br>View the controller serial number. | 0 to 2, 147,483,647 | - - - - | 12 | 0x65 (101)<br>1<br>7 | - - - - | 1032 | dint<br>R |
| dAtE<br>[dAtE] | **Date of Manufacture**<br>View the controller manufacture date. | 0 to 2, 147,483,647 | - - - - | 14 | 0x65 (101)<br>1<br>8 | - - - - | 1008 | dint<br>R |
| iP.AC<br>[iP.AC] | *Diagnostics Menu*<br>**IP Actual Address Mode**<br>View the addressing mode of the gateway in slot B of this RUI. | dhCP DHCP<br>FAdd Fixed Address | DHCP | - - - - | - - - - | - - - - | 17013 | uint<br>R |
| iP.A1<br>[iP.A1] | *Diagnostics Menu*<br>**IP Actual Address Part 1**<br>View or change the first part of the IP address of the gateway in slot B of this RUI.. | 0 to 255 | None | - - - - | - - - - | - - - - | 17014 | uint<br>R |
| iP.A2<br>[iP.A2] | *Diagnostics Menu*<br>**IP Actual Address Part 2**<br>View or change the second part of the IP address of the gateway in slot B of this RUI.. | 0 to 255 | None | - - - - | - - - - | - - - - | 17015 | uint<br>R |
| iP.A3<br>[iP.A3] | *Diagnostics Menu*<br>**IP Actual Address Part 3**<br>View or change the third part of this controller's IP address. | 0 to 255 | None | - - - - | - - - - | - - - - | 17016 | uint<br>R |

| Display | Parameter name Description | Range | Default | Modbus Relative Address | CIP Class Instance Attribute hex (dec) | Profibus Index | Parameter ID | Data Type & Read/ Write |
|---|---|---|---|---|---|---|---|---|
| iP.A4 [iP.A4] | *Diagnostics Menu* **IP Actual Address Part 4** View or change the fourth part of this controller's IP address. | 0 to 255 | None | - - - - | - - - - | - - - - | 17017 | uint R |
| iP.A5 [iP.A5] | *Diagnostics Menu* **IP Actual Address Part 5** View or change the fourth part of this controller's IP address. | 0 to 255 | None | - - - - | - - - - | - - - - | 17018 | uint R |
| iP.A6 [iP.A6] | *Diagnostics Menu* **IP Actual Address Part 6** View or change the fourth part of this controller's IP address. | 0 to 255 | None | - - - - | - - - - | - - - - | 17019 | uint R |
| StAt [StAt] | **Profibus DP Status** Indicates if the Profibus card is ready or currently running. | rEdy Ready<br>run Running | None | - - - - | - - - - | - - - - | 17063 | uint R |