



RADWAG WAGI ELEKTRONICZNE
ZAAWANSOWANE TECHNOLOGIE WAGOWE



RADWAG Development Studio

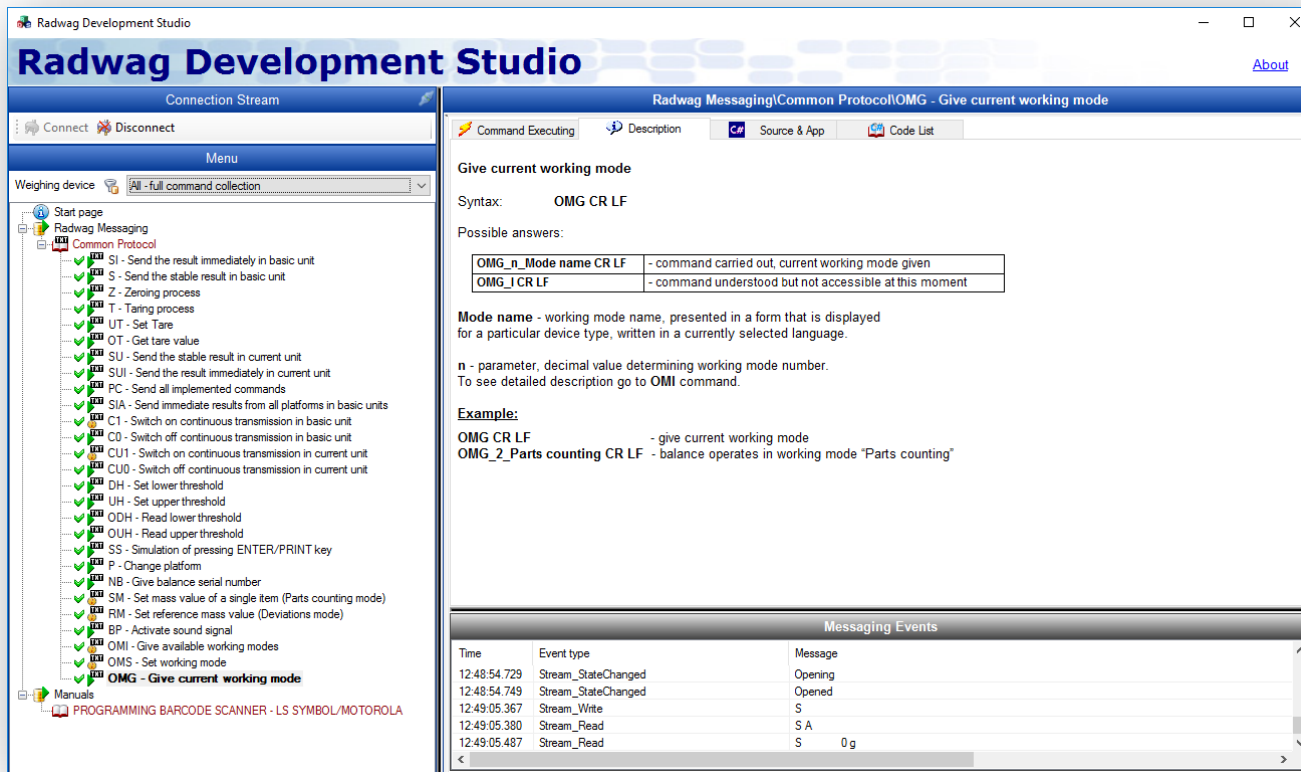
Poznaj wygodę i możliwości oferowane przez środowisko programistyczne RADWAG

O programie

RADWAG Development Studio jest nowym programem skierowanym do programistów firm korzystających z urządzeń marki **RADWAG**.



Common Communication Protocol



The screenshot displays the Radwag Development Studio interface. On the left, a tree view shows the 'Common Protocol' commands, including 'OMG - Give current working mode'. The main window shows the details for the 'Give current working mode' command.

Give current working mode

Syntax: **OMG CR LF**

Possible answers:

OMG_n_Mode name CR LF	- command carried out, current working mode given
OMG_I CR LF	- command understood but not accessible at this moment

Mode name - working mode name, presented in a form that is displayed for a particular device type, written in a currently selected language.

n - parameter, decimal value determining working mode number. To see detailed description go to OMI command.

Example:

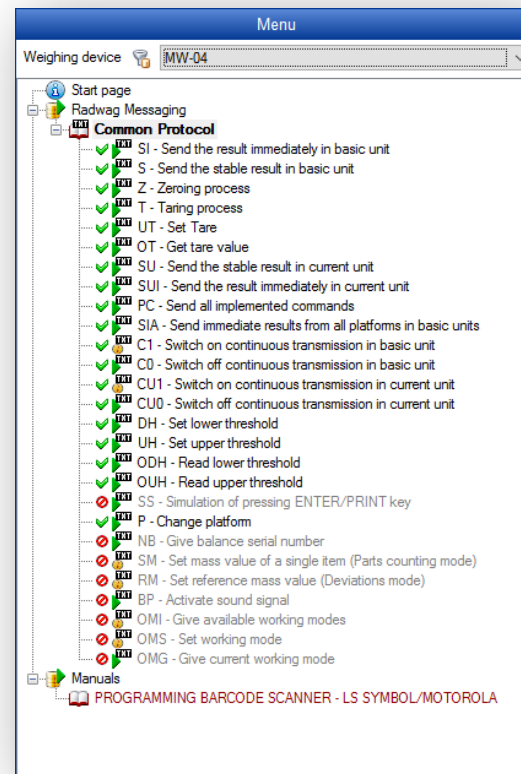
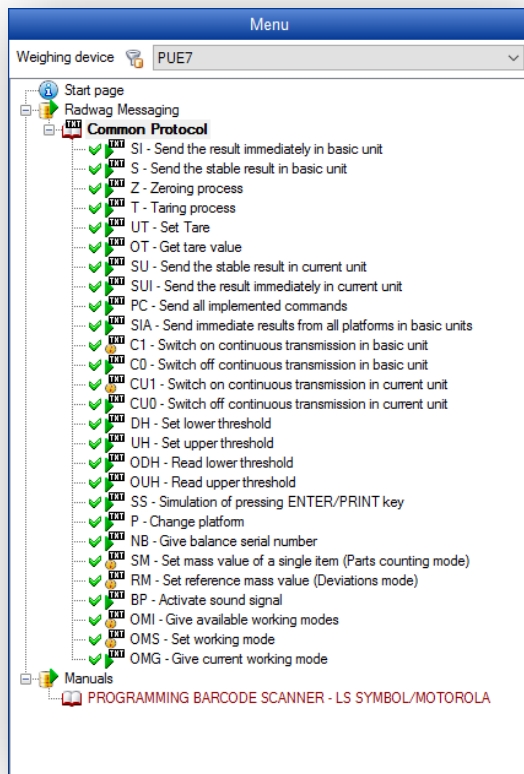
OMG CR LF - give current working mode
 OMG_2_Parts counting CR LF - balance operates in working mode "Parts counting"

Messaging Events

Time	Event type	Message
12:48:54.729	Stream_StateChanged	Opening
12:48:54.749	Stream_StateChanged	Opened
12:49:05.367	Stream_Write	S
12:49:05.380	Stream_Read	S A
12:49:05.487	Stream_Read	S 0g

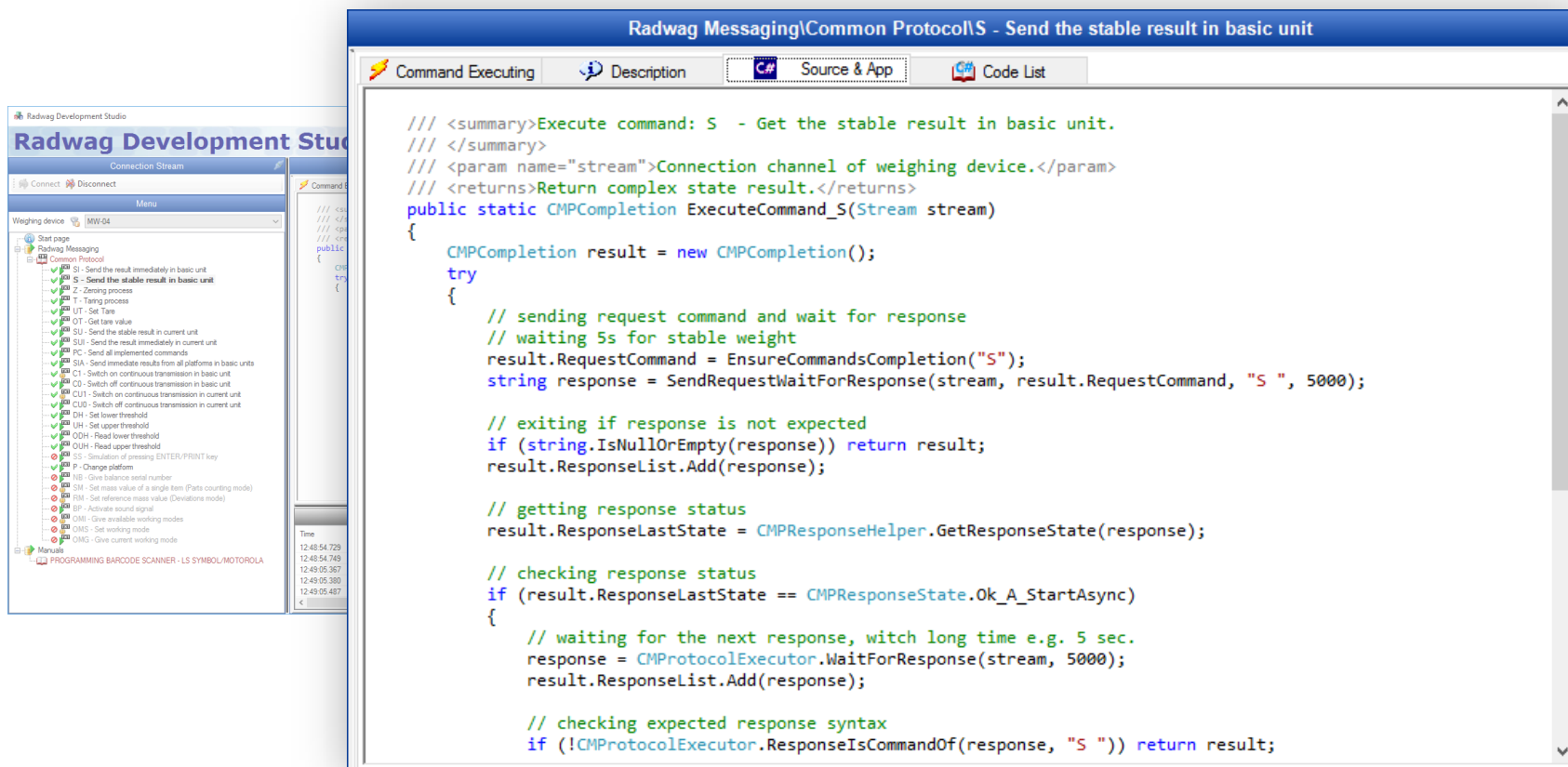
Celem programu jest zaprezentowanie licznych funkcji (i podfunkcji) protokołu **Common Communication Protocol** stosowanego do komunikacji z wagami **RADWAG**.

Common Communication Protocol



Funkcje mogą być prezentowane z uwzględnieniem modeli wag przez jakie są obsługiwane.

Kod źródłowy



The screenshot displays the Radwag Development Studio interface. On the left, a tree view shows the project structure under 'Radwag Messaging' and 'Common ProtocolS'. The main window shows the source code for the function 'Send the stable result in basic unit'. The code is written in C# and includes XML documentation comments. The function is a static method that takes a 'Stream' parameter and returns a 'CMPCompletion' object. It sends a request, waits for a response, and checks the response status and syntax.

```
/// <summary>Execute command: S - Get the stable result in basic unit.
/// </summary>
/// <param name="stream">Connection channel of weighing device.</param>
/// <returns>Return complex state result.</returns>
public static CMPCompletion ExecuteCommand_S(Stream stream)
{
    CMPCompletion result = new CMPCompletion();
    try
    {
        // sending request command and wait for response
        // waiting 5s for stable weight
        result.RequestCommand = EnsureCommandsCompletion("S");
        string response = SendRequestWaitForResponse(stream, result.RequestCommand, "S ", 5000);

        // exiting if response is not expected
        if (string.IsNullOrEmpty(response)) return result;
        result.ResponseList.Add(response);

        // getting response status
        result.ResponseLastState = CMPResponseHelper.GetResponseState(response);

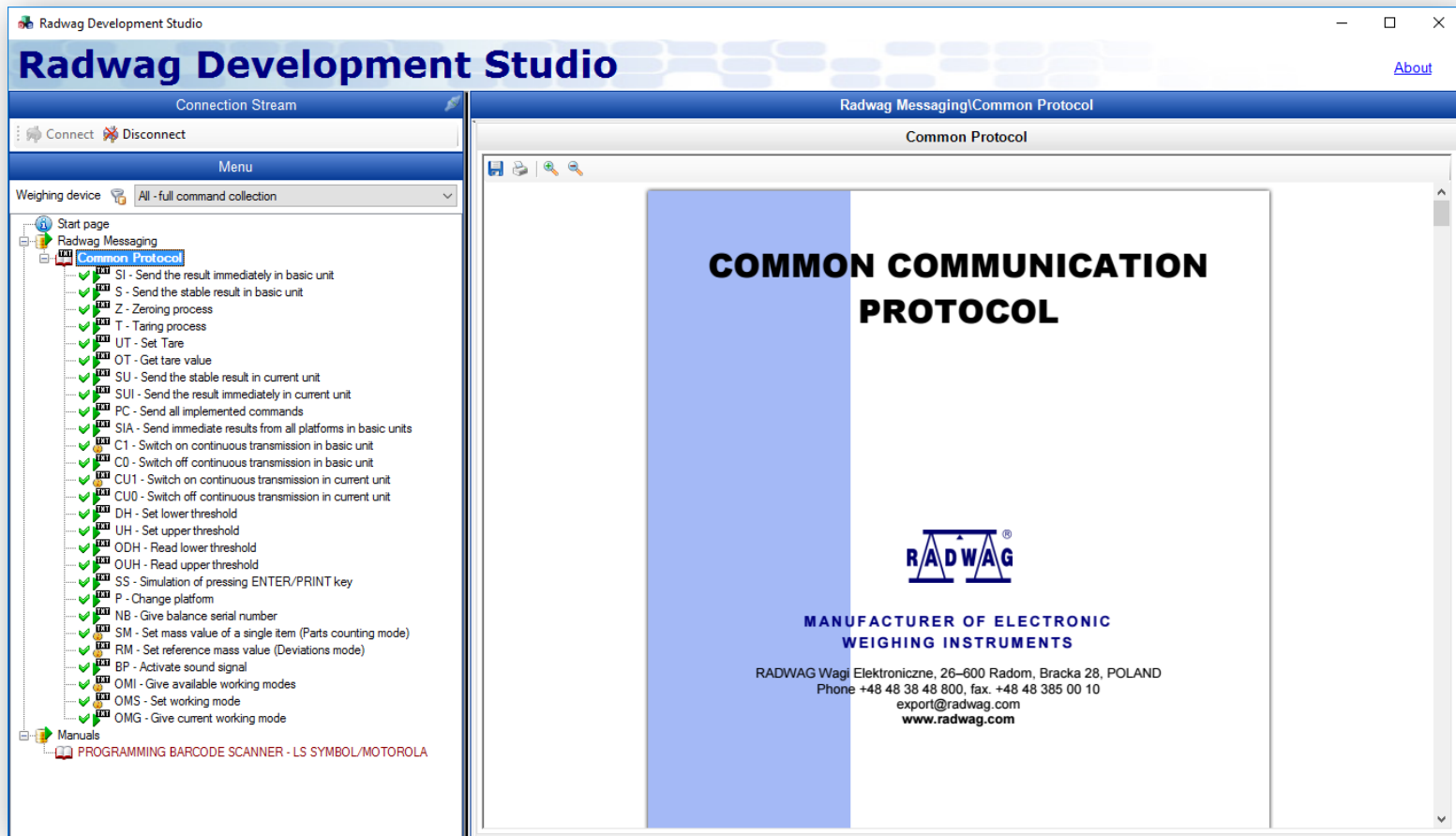
        // checking response status
        if (result.ResponseLastState == CMPResponseState.Ok_A_StartAsync)
        {
            // waiting for the next response, witch long time e.g. 5 sec.
            response = CMPProtocolExecutor.WaitForResponse(stream, 5000);
            result.ResponseList.Add(response);

            // checking expected response syntax
            if (!CMPProtocolExecutor.ResponseIsCommandOf(response, "S ")) return result;
        }
    }
}
```

Do opisu każdej funkcji załączony jest kod źródłowy gotowy do skopiowania i zastosowania w nowych aplikacjach.

Dokumentacja

Pełna dokumentacja protokołu komunikacyjnego



The screenshot displays the Radwag Development Studio interface. The main window is titled "Radwag Messaging/Common Protocol" and shows the "Common Protocol" documentation. The left sidebar contains a tree view of the protocol commands, including:

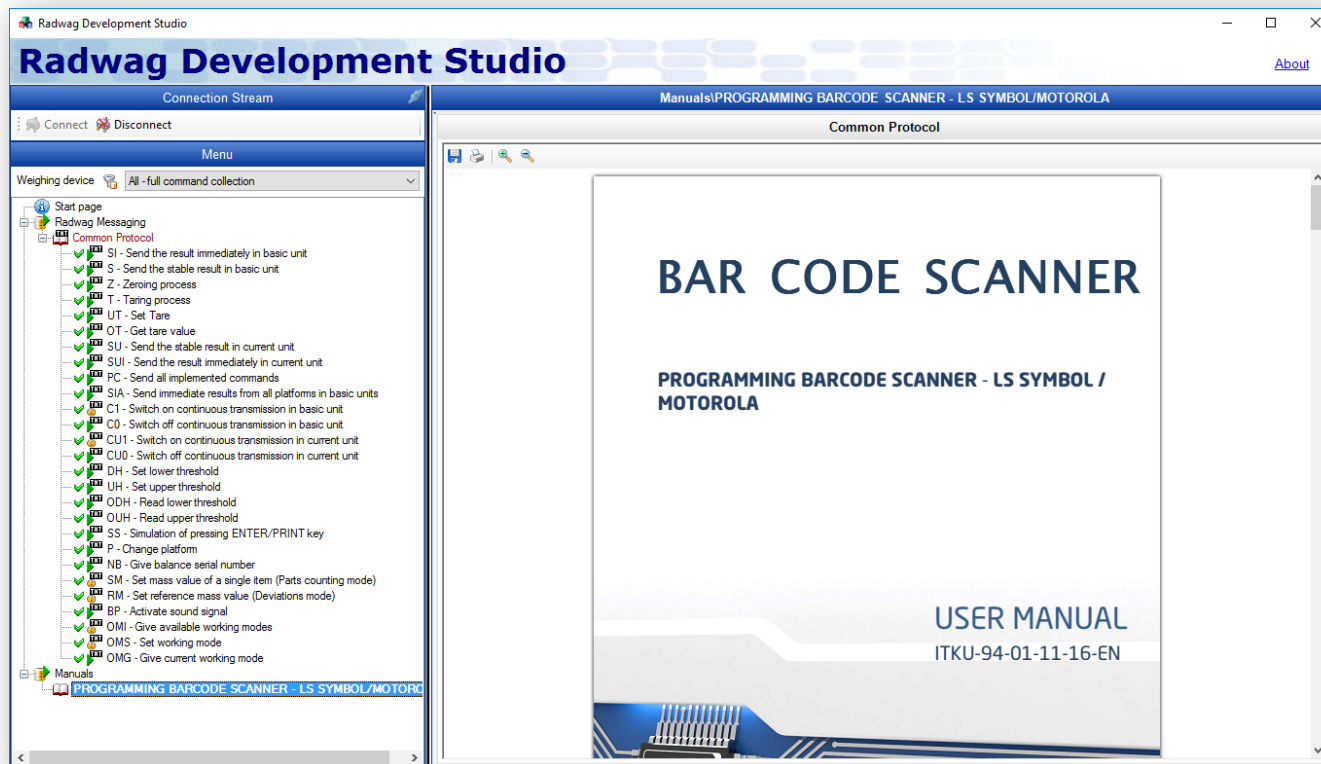
- SI - Send the result immediately in basic unit
- S - Send the stable result in basic unit
- Z - Zeroing process
- T - Taring process
- UT - Set Tare
- OT - Get tare value
- SU - Send the stable result in current unit
- SUI - Send the result immediately in current unit
- PC - Send all implemented commands
- SIA - Send immediate results from all platforms in basic units
- C1 - Switch on continuous transmission in basic unit
- C0 - Switch off continuous transmission in basic unit
- CU1 - Switch on continuous transmission in current unit
- CU0 - Switch off continuous transmission in current unit
- DH - Set lower threshold
- UH - Set upper threshold
- ODH - Read lower threshold
- OUH - Read upper threshold
- SS - Simulation of pressing ENTER/PRINT key
- P - Change platform
- NB - Give balance serial number
- SM - Set mass value of a single item (Parts counting mode)
- RM - Set reference mass value (Deviations mode)
- BP - Activate sound signal
- OMI - Give available working modes
- OMS - Set working mode
- OMG - Give current working mode

The main window displays the "COMMON COMMUNICATION PROTOCOL" title, the RADWAG logo, and the following text:

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Instrukcje użytkownika



Zestaw instrukcji dotyczących innych rozwiązań adresowanych do programistów firm korzystających z urządzeń **RADWAG**.



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