

## Better Volume Indicator - EasyLanguage - Version 19 August 2012

Inputs: LowVol(True), ClimaxUp(True), ClimaxDown(True), Churn(True), ClimaxChurn(False), LowVolColor(Yellow), ClimaxUpColor(Red), ClimaxDownColor(White), ChurnColor(Green), ClimaxChurnColor(Magenta), Color(Cyan), UseUpTicks(True), Use2Bars(True), ShowAvg(False), AvgColor(Red);

Variables: BarColor(Cyan), Lookback(20);

BarColor = Color;

If BarType > 1 then begin

    If C > O and Range <> 0 then Value1 = (Range/(2\*Range+O-C))\*V;

    If C < O and Range <> 0 then Value1 = ((Range+C-O)/(2\*Range+C-O))\*V;

    If C = O then Value1 = 0.5\*V;

    Value2 = V-Value1;

End;

If BarType <= 1 and UseUpTicks = False then begin

    If C > O and Range <> 0 then Value1 = (Range/(2\*Range+O-C))\*Ticks;

    If C < O and Range <> 0 then Value1 = ((Range+C-O)/(2\*Range+C-O))\*Ticks;

    If C = O then Value1 = 0.5\*Ticks;

    Value2 = Ticks-Value1;

End;

If BarType <= 1 and UseUpTicks then begin

    Value1 = UpTicks;

    Value2 = DownTicks;

End;

Value3 = AbsValue(Value1+Value2);

Value4 = Value1\*Range;

Value5 = (Value1-Value2)\*Range;

Value6 = Value2\*Range;

Value7 = (Value2-Value1)\*Range;

If Range <> 0 then begin

    Value8 = Value1/Range;

    Value9 = (Value1-Value2)/Range;

    Value10 = Value2/Range;

    Value11 = (Value2-Value1)/Range;

    Value12 = Value3/Range;

End;

If Use2Bars then begin

    Value13 = Value3+Value3[1];

    Value14 = (Value1+Value1[1])\*(Highest(H,2)-Lowest(L,2));

    Value15 = (Value1+Value1[1]-Value2-Value2[1])\*(Highest(H,2)-Lowest(L,2));

    Value16 = (Value2+Value2[1])\*(Highest(H,2)-Lowest(L,2));

    Value17 = (Value2+Value2[1]-Value1-Value1[1])\*(Highest(H,2)-Lowest(L,2));

    If Highest(H,2) <> Lowest(L,2) then begin

        Value18 = (Value1+Value1[1])/(Highest(H,2)-Lowest(L,2));

        Value19 = (Value1+Value1[1]-Value2-Value2[1])/(Highest(H,2)-Lowest(L,2));

        Value20 = (Value2+Value2[1])/(Highest(H,2)-Lowest(L,2));

        Value21 = (Value2+Value2[1]-Value1-Value1[1])/(Highest(H,2)-Lowest(L,2));

        Value22 = Value13/(Highest(H,2)-Lowest(L,2));

    End;

End;

```

Condition1 = Value3 = Lowest(Value3,Lookback);
Condition2 = Value4 = Highest(Value4,Lookback) and C > O;
Condition3 = Value5 = Highest(Value5,Lookback) and C > O;
Condition4 = Value6 = Highest(Value6,Lookback) and C < O;
Condition5 = Value7 = Highest(Value7,Lookback) and C < O;
Condition6 = Value8 = Lowest(Value8,Lookback) and C < O;
Condition7 = Value9 = Lowest(Value9,Lookback) and C < O;
Condition8 = Value10 = Lowest(Value10,Lookback) and C > O;
Condition9 = Value11 = Lowest(Value11,Lookback) and C > O;
Condition10 = Value12 = Highest(Value12,Lookback);
If Use2Bars then begin
    Condition11 = Value13 = Lowest(Value13,Lookback);
    Condition12 = Value14 = Highest(Value14,Lookback) and C > O and C[1] > O[1];
    Condition13 = Value15 = Highest(Value15,Lookback) and C > O and C[1] > O[1];
    Condition14 = Value16 = Highest(Value16,Lookback) and C < O and C[1] < O[1];
    Condition15 = Value17 = Highest(Value17,Lookback) and C < O and C[1] < O[1];
    Condition16 = Value18 = Lowest(Value18,Lookback) and C < O and C[1] < O[1];
    Condition17 = Value19 = Lowest(Value19,Lookback) and C < O and C[1] < O[1];
    Condition18 = Value20 = Lowest(Value20,Lookback) and C > O and C[1] > O[1];
    Condition19 = Value21 = Lowest(Value21,Lookback) and C > O and C[1] > O[1];
    Condition20 = Value22 = Highest(Value22,Lookback);
End;

If BarType > 1 then begin
    If LowVol and (Condition1 or Condition11) then BarColor = LowVolColor;
    If ClimaxUp and (Condition2 or Condition3 or Condition8 or Condition9 or Condition12 or
Condition13 or Condition18 or Condition19) then BarColor = ClimaxUpColor;
    If ClimaxDown and (Condition4 or Condition5 or Condition6 or Condition7 or Condition14
or Condition15 or Condition16 or Condition17) then BarColor = ClimaxDownColor;
    If Churn and (Condition10 or Condition20) then BarColor = ChurnColor;
    If ClimaxChurn and (Condition10 or Condition20) and (Condition2 or Condition3 or
Condition4 or Condition5 or Condition6 or Condition7 or Condition8 or Condition9 or
Condition12 or Condition13 or Condition14 or Condition15 or Condition16 or
Condition17 or Condition18 or Condition19) then BarColor = ClimaxChurnColor;
End;

If BarType <= 1 then begin
    If LowVol and (Condition1 or (Condition11 and D=D[1])) then BarColor = LowVolColor;
    If ClimaxUp and (Condition2 or Condition3 or Condition8 or Condition9 or ((Condition12
or Condition13 or Condition18 or Condition19) and D=D[1])) then BarColor = ClimaxUpColor;
    If ClimaxDown and (Condition4 or Condition5 or Condition6 or Condition7 or
((Condition14 or Condition15 or Condition16 or Condition17) and D=D[1])) then BarColor =
ClimaxDownColor;
    If Churn and (Condition10 or (Condition20 and D=D[1])) then BarColor = ChurnColor;
    If ClimaxChurn and (Condition10 or (Condition20 and D=D[1])) and (Condition2 or
Condition3 or Condition4 or Condition5 or Condition6 or Condition7 or Condition8 or Condition9
or
        ((Condition12 or Condition13 or Condition14 or Condition15 or Condition16 or
Condition17 or Condition18 or Condition19) and D=D[1])) then BarColor = ClimaxChurnColor;
End;

Plot1(Value3,"Volume",BarColor);

```

```
If ShowAvg then Plot2(Average(Value3,200),"Avg",AvgColor);
```

```
{ Change Log: }
```

```
{23 November 2007 - Added LowChurn colored volume bars      }  
{19 April 2008 - Got rid of LowChurn and replaced with ClimaxDown }  
{19 April 2008 - Added open & close conditions with ClimaxUp and ClimaxDown }  
{19 April 2008 - Added different calculations for tick/intra-day charts  }  
{26 June 2008 - Added ability to turn average volume line on and off    }  
{5 July 2008 - Changed Lookback from a variable to an input           }  
{13 July 2008 - Added 2 bar climax, churn and low volume conditions      }  
{4 September 2008 - Changed daily bars calculation to match tick/intra-day }  
{25 January 2009 - Added condition total volume (Value3) could not be -ve }  
{19 August 2012 - Changed calculation for Intra-day + UseUpTicks = False }
```

## Better Volume PaintBar - EasyLanguage - Version 19 August 2012

Inputs: LowVol(True), ClimaxUp(True), ClimaxDown(True), Churn(True), ClimaxChurn(False),  
LowVolColor(Yellow), ClimaxUpColor(Red), ClimaxDownColor(White), ChurnColor(Blue),  
ClimaxChurnColor(Magenta), Color(Green), UseUpTicks(True), Use2Bars(True);  
Variables: BarColor(Green), Lookback(20);

BarColor = Color;

If BarType > 1 then begin

    If C > O and Range <> 0 then Value1 = (Range/(2\*Range+O-C))\*V;

    If C < O and Range <> 0 then Value1 = ((Range+C-O)/(2\*Range+C-O))\*V;

    If C = O then Value1 = 0.5\*V;

    Value2 = V-Value1;

End;

If BarType <= 1 and UseUpTicks = False then begin

    If C > O and Range <> 0 then Value1 = (Range/(2\*Range+O-C))\*Ticks;

    If C < O and Range <> 0 then Value1 = ((Range+C-O)/(2\*Range+C-O))\*Ticks;

    If C = O then Value1 = 0.5\*Ticks;

    Value2 = Ticks-Value1;

End;

If BarType <= 1 and UseUpTicks then begin

    Value1 = UpTicks;

    Value2 = DownTicks;

End;

Value3 = AbsValue(Value1+Value2);

Value4 = Value1\*Range;

Value5 = (Value1-Value2)\*Range;

Value6 = Value2\*Range;

Value7 = (Value2-Value1)\*Range;

If Range <> 0 then begin

    Value8 = Value1/Range;

    Value9 = (Value1-Value2)/Range;

    Value10 = Value2/Range;

    Value11 = (Value2-Value1)/Range;

    Value12 = Value3/Range;

End;

If Use2Bars then begin

    Value13 = Value3+Value3[1];

    Value14 = (Value1+Value1[1])\*(Highest(H,2)-Lowest(L,2));

    Value15 = (Value1+Value1[1]-Value2-Value2[1])\*(Highest(H,2)-Lowest(L,2));

    Value16 = (Value2+Value2[1])\*(Highest(H,2)-Lowest(L,2));

    Value17 = (Value2+Value2[1]-Value1-Value1[1])\*(Highest(H,2)-Lowest(L,2));

    If Highest(H,2) <> Lowest(L,2) then begin

        Value18 = (Value1+Value1[1])/(Highest(H,2)-Lowest(L,2));

        Value19 = (Value1+Value1[1]-Value2-Value2[1])/(Highest(H,2)-Lowest(L,2));

        Value20 = (Value2+Value2[1])/(Highest(H,2)-Lowest(L,2));

        Value21 = (Value2+Value2[1]-Value1-Value1[1])/(Highest(H,2)-Lowest(L,2));

        Value22 = Value13/(Highest(H,2)-Lowest(L,2));

    End;

End;

```

Condition1 = Value3 = Lowest(Value3,Lookback);
Condition2 = Value4 = Highest(Value4,Lookback) and C > O;
Condition3 = Value5 = Highest(Value5,Lookback) and C > O;
Condition4 = Value6 = Highest(Value6,Lookback) and C < O;
Condition5 = Value7 = Highest(Value7,Lookback) and C < O;
Condition6 = Value8 = Lowest(Value8,Lookback) and C < O;
Condition7 = Value9 = Lowest(Value9,Lookback) and C < O;
Condition8 = Value10 = Lowest(Value10,Lookback) and C > O;
Condition9 = Value11 = Lowest(Value11,Lookback) and C > O;
Condition10 = Value12 = Highest(Value12,Lookback);
If Use2Bars then begin
    Condition11 = Value13 = Lowest(Value13,Lookback);
    Condition12 = Value14 = Highest(Value14,Lookback) and C > O and C[1] > O[1];
    Condition13 = Value15 = Highest(Value15,Lookback) and C > O and C[1] > O[1];
    Condition14 = Value16 = Highest(Value16,Lookback) and C < O and C[1] < O[1];
    Condition15 = Value17 = Highest(Value17,Lookback) and C < O and C[1] < O[1];
    Condition16 = Value18 = Lowest(Value18,Lookback) and C < O and C[1] < O[1];
    Condition17 = Value19 = Lowest(Value19,Lookback) and C < O and C[1] < O[1];
    Condition18 = Value20 = Lowest(Value20,Lookback) and C > O and C[1] > O[1];
    Condition19 = Value21 = Lowest(Value21,Lookback) and C > O and C[1] > O[1];
    Condition20 = Value22 = Highest(Value22,Lookback);
End;

If BarType > 1 then begin
    If LowVol and (Condition1 or Condition11) then BarColor = LowVolColor;
    If ClimaxUp and (Condition2 or Condition3 or Condition8 or Condition9 or Condition12 or
Condition13 or Condition18 or Condition19) then BarColor = ClimaxUpColor;
    If ClimaxDown and (Condition4 or Condition5 or Condition6 or Condition7 or Condition14
or Condition15 or Condition16 or Condition17) then BarColor = ClimaxDownColor;
    If Churn and (Condition10 or Condition20) then BarColor = ChurnColor;
    If ClimaxChurn and (Condition10 or Condition20) and (Condition2 or Condition3 or
Condition4 or Condition5 or Condition6 or Condition7 or Condition8 or Condition9 or
Condition12 or Condition13 or Condition14 or Condition15 or Condition16 or
Condition17 or Condition18 or Condition19) then BarColor = ClimaxChurnColor;
End;

If BarType <= 1 then begin
    If LowVol and (Condition1 or (Condition11 and D=D[1])) then BarColor = LowVolColor;
    If ClimaxUp and (Condition2 or Condition3 or Condition8 or Condition9 or ((Condition12
or Condition13 or Condition18 or Condition19) and D=D[1])) then BarColor = ClimaxUpColor;
    If ClimaxDown and (Condition4 or Condition5 or Condition6 or Condition7 or
((Condition14 or Condition15 or Condition16 or Condition17) and D=D[1])) then BarColor =
ClimaxDownColor;
    If Churn and (Condition10 or (Condition20 and D=D[1])) then BarColor = ChurnColor;
    If ClimaxChurn and (Condition10 or (Condition20 and D=D[1])) and (Condition2 or
Condition3 or Condition4 or Condition5 or Condition6 or Condition7 or Condition8 or Condition9
or
        ((Condition12 or Condition13 or Condition14 or Condition15 or Condition16 or
Condition17 or Condition18 or Condition19) and D=D[1])) then BarColor = ClimaxChurnColor;
End;

If BarColor <> Color then PlotPaintBar(H,L,O,C,"BetterVol",BarColor);

```

```
{ Change Log: }
{23 November 2007 - Added LowChurn colored volume bars      }
{28 March 2008 - Added ability to turn on and off different colored bars  }
{28 March 2008 - Got rid of redundant code calculations      }
{19 April 2008 - Got rid of LowChurn and replaced with ClimaxDown      }
{19 April 2008 - Added open & close conditions with ClimaxUp and ClimaxDown }
{19 April 2008 - Added different calculations for tick/intra-day charts  }
{13 July 2008 - Added 2 bar climax, churn and low volume conditions      }
{4 September 2008 - Changed daily bars calculation to match tick/intra-day }
{25 January 2009 - Added condition total volume (Value3) could not be -ve }
{3 July 2009 - Allowed the default bar coloring to be changed      }
{19 August 2012 - Changed calculation for Intra-day + UseUpTicks = False }
```

## Better Volume - ProRealTime/ChartNet/CMC - Version Dec. 2009 - Dutchy

```
// Better Volume Indicator
// Original idea by emini-watch.com
// Source : http://emini-watch.com/free-stuff/volume-indicator/ AND
http://emini-watch.com/category/volume-indicator/

// Rewrite for ProRealTime / ChartNet / CMC by Dutchy, march 2009
// Code is provided as public domain, no warranty.
// You can find Dutchy on following fora
// http://www.aktienboard.com/forum/f29/prorealtime-cmc-script-programmierung-t94783/
// http://www.pro-at.com/forums-bourse/sujet-Forums-Partenaires-Forum-ProRealTime-92.html
// Peace
```

```
// Better Volume Indicator - Summary
// ClimaxUp (Red) : Top, Start Up Trend, Down Trend Continue
// ClimaxDown (White): Bottom, Up Trend Continue, Start Down Trend
// LowVolume (Yellow): Bottom, Top, Up Trend Continue
// Churn (Green): Bottom, Top, Down Trend Continue
// ClimaxChurn (Magenta): Top, Down Trend Continue
```

```
// Parameter: History = Boolean
// Parameter: Use2Bars = Boolean
// Parameter: Lookback = 20
```

```
ONCE Condition1 = 0
ONCE Condition2 = 0
ONCE Condition3 = 0
ONCE Condition4 = 0
ONCE Condition5 = 0
ONCE Condition6 = 0
ONCE Condition7 = 0
ONCE Condition8 = 0
ONCE Condition9 = 0
ONCE Condition10 = 0
ONCE Condition11 = 0
ONCE Condition12 = 0
ONCE Condition13 = 0
ONCE Condition14 = 0
ONCE Condition15 = 0
ONCE Condition16 = 0
ONCE Condition17 = 0
ONCE Condition18 = 0
ONCE Condition19 = 0
ONCE Condition20 = 0
```

```
VolValue = Volume
LowVolValue = VolValue
ClimaxUpValue = VolValue
ClimaxDownValue = VolValue
ChurnValue = VolValue
ClimaxChurnValue = VolValue
StopVolValue = VolValue
```

```

TrampolineValue = VolValue
AVVolume = Average[Lookback*2](VolValue)

IF History = 0 THEN
    BI = 400
ELSIF History = 1 THEN
    BI = Lookback
ENDIF

IF BARINDEX > BI AND Volume <> 0 THEN

    IF Close > Open THEN
        Value1 = Volume * (Range / (2 * Range + Open - Close))
    ELSIF Close < Open THEN
        Value1 = Volume * ((Range + Close - Open) / (2 * Range + Close - Open))
    ENDIF
    IF Close = Open THEN
        Value1 = 0.5 * Volume
    ENDIF
    Value2 = Volume - Value1

    Value3 = Value1 + Value2
    Value4 = Value1 * Range
    Value5 = (Value1 - Value2) * Range
    Value6 = Value2 * Range
    Value7 = (Value2 - Value1) * Range
    IF Range <> 0 THEN
        Value8 = Value1 / Range
        Value9 = (Value1 - Value2) / Range
        Value10 = Value2 / Range
        Value11 = (Value2 - Value1) / Range
        Value12 = Value3 / Range
    ENDIF

    Value13 = Value3 + Value3[1]
    Value14 = (Value1 + Value1[1]) * (Highest[2](High) - Lowest[2](Low))
    Value15 = (Value1 + Value1[1] - Value2 - Value2[1]) * (Highest[2](High) - Lowest[2](Low))
    Value16 = (Value2 + Value2[1]) * (Highest[2](High) - Lowest[2](Low))
    Value17 = (Value2 + Value2[1] - Value1 - Value1[1]) * (Highest[2](High) - Lowest[2](Low))
    IF Highest[2](High) <> Lowest[2](Low) THEN
        Value18 = (Value1 + Value1[1]) / (Highest[2](High) - Lowest[2](Low))
    ENDIF
    Value19 = (Value1 + Value1[1] - Value2 - Value2[1]) / (Highest[2](High) - Lowest[2](Low))
    Value20 = (Value2 + Value2[1]) / (Highest[2](High) - Lowest[2](Low))
    Value21 = (Value2 + Value2[1] - Value1 - Value1[1]) / (Highest[2](High) - Lowest[2](Low))
    Value22 = Value13 / (Highest[2](High) - Lowest[2](Low))

    IF Use2Bars = 0 THEN
        Condition1 = Value3 = Lowest[Lookback](Value3)
        Condition2 = Value4 = Highest[Lookback](Value4) AND Close > Open
        Condition3 = Value5 = Highest[Lookback](Value5) AND Close > Open
        Condition4 = Value6 = Highest[Lookback](Value6) AND Close < Open
        Condition5 = Value7 = Highest[Lookback](Value7) AND Close < Open
    
```



```

Condition6 = Value8 = Lowest[Lookback](Value8) AND Close < Open
Condition7 = Value9 = Lowest[Lookback](Value9) AND Close < Open
Condition8 = Value10 = Lowest[Lookback](Value10) AND Close > Open
Condition9 = Value11 = Lowest[Lookback](Value11) AND Close > Open
Condition10 = Value12 = Highest[Lookback](Value12)
ELSIF Use2Bars = 1 THEN
    Condition11 = Value13 = Lowest[Lookback](Value13)
    Condition12 = Value14 = Highest[Lookback](Value14) AND Close > Open AND Close[1] >
Open[1]
    Condition13 = Value15 = Highest[Lookback](Value15) AND Close > Open AND Close[1] >
Open[1]
    Condition14 = Value16 = Highest[Lookback](Value16) AND Close < Open AND Close[1] <
Open[1]
    Condition15 = Value17 = Highest[Lookback](Value17) AND Close < Open AND Close[1] <
Open[1]
    Condition16 = Value18 = Lowest[Lookback](Value18) AND Close < Open AND Close[1] <
Open[1]
    Condition17 = Value19 = Lowest[Lookback](Value19) AND Close < Open AND Close[1] <
Open[1]
    Condition18 = Value20 = Lowest[Lookback](Value20) AND Close > Open AND Close[1] >
Open[1]
    Condition19 = Value21 = Lowest[Lookback](Value21) AND Close > Open AND Close[1] >
Open[1]
    Condition20 = Value22 = Highest[Lookback](Value22)
ENDIF

// *****

IF (Condition1 or Condition11) THEN // Yellow
    LowVol = LowVolValue
ELSE
    LowVol = 0
ENDIF

IF (Condition2 or Condition3 or Condition8 or Condition9 or Condition12 or Condition13 or
Condition18 or Condition19) THEN // Red
    ClimaxUp = ClimaxUpValue
    IF LowVol <> 0 THEN
        ClimaxUp = ClimaxUpValue / 2
    ENDIF
ELSE
    ClimaxUp = 0
ENDIF

IF (Condition4 or Condition5 or Condition6 or Condition7 or Condition14 or Condition15 or
Condition16 or Condition17) THEN // White
    ClimaxDown = ClimaxDownValue
    IF LowVol <> 0 OR ClimaxUp <> 0 THEN
        ClimaxDown = ClimaxDownValue
    ENDIF
ELSE
    ClimaxDown = 0
ENDIF

```

```

IF (Condition10 or Condition20) THEN // Green
    Churn = ChurnValue
    IF LowVol <> 0 OR ClimaxUp <> 0 OR ClimaxDown <> 0 THEN
        Churn = ChurnValue / 2
    ENDIF
ELSE
    Churn = 0
ENDIF

//IF (Condition10 or Condition20) AND (Condition2 or Condition3 or Condition4 or Condition5
or Condition6 or Condition7 or Condition8 or Condition9 or Condition12 or Condition13 or
Condition14 or Condition15 or Condition16 or Condition17 or Condition18 or Condition19) THEN
    IF Churn <> 0 AND (ClimaxUp <> 0 OR ClimaxDown <> 0) THEN // Magenta
        ClimaxChurn = ClimaxChurnValue
    ELSE
        ClimaxChurn = 0
    ENDIF

//StopVolume
LocalClosingPosition = 1 - (High - Close) / (High - Low)
IF Volume > Volume[1] AND Range < Range[1] AND ((High > High[1] AND
LocalClosingPosition < 0.4) OR (Low < Low[1] AND LocalClosingPosition > 0.6)) THEN
    StopVol = StopVolValue * 1 / 3 // HigherVolume & LowerRange @ HigherHigh or
LowerLow - DBlue
ELSE
    StopVol = 0
ENDIF

//Trampoline
FOR i = 1 TO 2 // Close together
    IF ((ClimaxChurn[i] > 0 OR ClimaxUp[i] > 0) AND (ClimaxChurn > 0 OR ClimaxUp > 0)) AND
((Close[i] > Open[i] AND Close < Open) OR (Close[i] < Open[i] AND Close > Open)) THEN
        Trampoline = TrampolineValue * 1 / 4
        BREAK
    ELSE
        Trampoline = 0
    ENDIF
NEXT

ENDIF

RETURN Volume COLOURED (0, 200, 200) AS "Volume (LBlue)", LowVol COLOURED (255,
255, 0) AS "LowVol (Yellow Histo): Bottom & Top & UpTrend Cont", ClimaxUp COLOURED (255,
0, 0) AS "Climax Up (Red Histo): Start UpTrend & Top & DownTrend Cont", ClimaxDown
COLOURED (255, 255, 255) AS "ClimaxDown (White Histo): Bottom & UpTrend Cont & Start
Down Trend" , Churn COLOURED (0, 155, 50) AS "Churn = HighVol@LowRange (Green Histo):
Bottom & Top & Down Trend Cont", ClimaxChurn COLOURED (255, 0, 255) AS "ClimaxChurn
(Magenta Histo): Top & DownTrend Cont: Bearish", Trampoline COLOURED (0, 0, 255) AS
"Trampoline (DBLue Histo): Reversal", StopVol COLOURED (0, 0, 0) AS "StopVol (Black Histo):
Profit Taking", AVVolume COLOURED (255, 0, 0) AS "AVVolume (Red Line)"

```

## **Better Volume - MC.NET - Jeff Ellestad**

The code is posted and discussed in this thread:

<http://www.multicharts.com/discussion/viewtopic.php?f=20&t=11254>

Jeff Ellestad can be reached via the MultiCharts forum and has already provided a function version of the code and an update to the original indicator.

## **Better Volume & Better X-Trend - TradingView - rimko**

The code is posted and discussed in this thread:

<https://prod-frontend-proxy.tradingview.com/script/HjLUwa5t-Better-X-Trend-Volume/>

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