

MD EIGHT PIXEL & DISPLAY

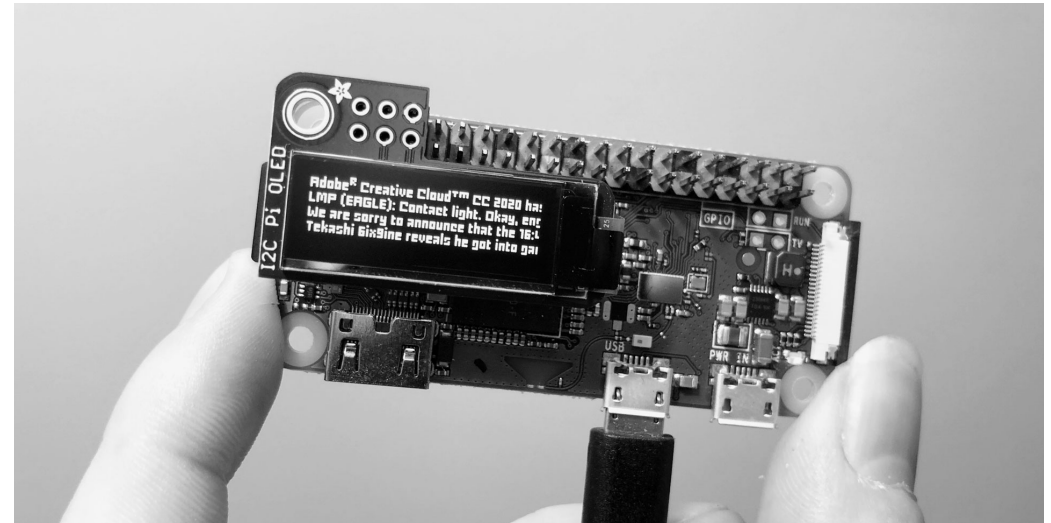
Is an exploration
of reduction and
scale in type.

An exploration of reduction and scale in type design. MD Eight is an unconventional type family centred around an 8×8 pixel font. This germinal pixel style is supported by display cuts in three optical sizes, which transform its staid construction into an impactful, expressive set of typefaces.

MD Eight's original design arose not from expression, but from restriction. The pixel style was designed very specifically to fit a 32×128px OLED display attached to a Raspberry Pi. This display's pixels have a slight border between them, meaning conventional pixel fonts — which often rely on pixels placed diagonally adjacent to imply angled lines — were notably less readable than they would be on other displays.

The pixel style of MD Eight is designed to avoid these diagonal connections as much as feasible, leading to a cleaner reading experience on the original OLED display as well as a generally smooth texture across all types of screen.

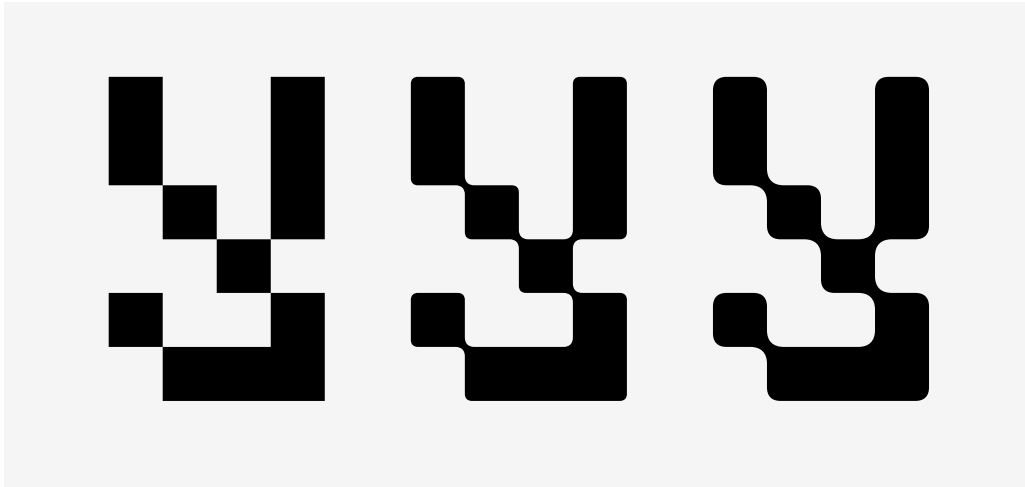
MD Eight's display styles are a radical departure from their pixel roots. They're tightly spaced, breaking the restrictions of the original pixel style and creating a fast, impactful rhythm, which is heightened even further in the obliques. Across the styles' three optical sizes, MD Eight features increasingly rounded corners and 'bridges' between diagonal connections — an unapologetic reference to the iconic poster and logo designs of Dutch graphic designer Wim Crouwel.



△ The original purpose of MD Eight, a tiny Raspberry Pi display



△ Lettering detail from a poster by Wim Crouwel (1968)



MD Eight's display styles take several cues from the work of Wim Crouwel, perhaps the most obvious of which is a signature rounding of corners and 'bridging' between diagonally adjacent pixels. This is applied in three levels for greater control.



The pixel style of MD Eight is a functional pixel font, and its vertical proportions exactly fit an 8×8 pixel grid. Since the display styles do not need to fit this grid, their proportions are adjusted to be closer to those of a typical display font.



To deal with the significant restrictions imposed by the pixel grid, MD Eight makes use of *implied forms* in many characters. The spine of the lowercase *s*, for instance, is not drawn — its presence is *implied* by the rest of the letter, so that in running text it can be read with minimal difficulty.

MD Eight Pixel Regular

MD Eight Display Hard

Hard S

MD Eight Display Medium

Medium S

MD Eight Display Soft

Soft S

MD Eight's pixel style is treated largely as distinct from the others. While the shapes of its characters are the same as those of the display styles, its spacing, vertical proportions, and intended use are significantly different.

The display styles share metrics and spacing across three levels of corner rounding. Each of these levels has an upright style, and a 10° slanted (S) counterpart.

SS01
Alternate e

Images

Images

Swash Caps

New York

New York

Discretionary ligature IJ

RIJKS

RIJKS

Tabular numbers

12345

12345

Ordinals

10 1^a 1st 1st

10 1^a 1st 1st

Automatic capital B
(Language: DEU)

STRASSE

STRASSE



Uppercase

ABCDEFGHIJKLMNOPQRSTUVWXYZ

Lowercase

abcdefghijklmnopqrstuvwxyz

Punctuation

[illegible]

Symbols

ଅଂଶୁମେଧା ପ୍ରତିଯୋଗିତା

Prop. Lining Numbers

0123456789

Tab. Lining Numbers

0123456789

Math Symbols

+ - x ÷ = ≠ > < ≥ ≤ ± % √ ∞ ∅ ∫ Ω Δ ∏ Σ √ ∂ μ π ∕ % % .

Currency Symbols

#\$%&'()*+,-./

↑ ↓ ↗ ↘

[illegible]

ABCDEFGHIJKLMNOPQRSTUVWXYZ

À Á Â Ã Ä Å Æ Ç È É Ê Ë Ì Í Î Ï Ñ Ò Ó Ô Õ Ö × Ø Ù Ú Û Ü Ý Þ à á â ã

THE UNIVERSITY OF CHICAGO

130 pt

LIGHTS

96 pt

Low Res!

75 pt

ARMOURERD
Start Quest

56 pt

Narrow Hallway
Összegyűjtését

STRASSENBAHN

48 pt

Ⓜ Mass-Driver™
203-400 † UP 2031
Begin [PRESS OK]
† £23.54 ✖ £27.96

125 pt

Moirés

48 pt

CONGLOMERATED
Substantial Works

32 pt

The walls are hung with velvet that is black and soft as sin — and little

12 pt

3 MAY. BISTRITZ. — LEFT MUNICH AT 8:35 P.M., on 1st May, arriving at Vienna early next morning; should have arrived at 6:46, but train was an hour late. Buda-Pesth seems a wonderful place, from the glimpse which I got of it from the train and the little I could walk through the streets. I feared to go very far from the station, as we had arrived late and would start as near the correct time as possible. The impression I had was that we were leaving the West and entering the East; the most western of splendid bridges over the Danube, which is here of noble width and depth, took us among the traditions of Turkish rule. We left in pretty good time, and came after nightfall to Klausenburgh. Here I stopped for the night at the Hotel Royale. I had for dinner, or rather supper, a chicken done up some way with red pepper, which was very good but thirsty. (Mem., get recipe for Mina.) I asked the waiter, and he said it was called "paprika hendl," and that, as it was a national dish, I should be able to get it anywhere along the Carpathians. I found my smattering of German

10 pt

IT WAS A BRIGHT COLD DAY IN APRIL, and the clocks were striking thirteen. Winston Smith, his chin nuzzled into his breast in an effort to escape the vile wind, slipped quickly through the glass doors of Victory Mansions, though not quickly enough to prevent a swirl of gritty dust from entering along with him. The hallway smelt of boiled cabbage and old rag mats. At one end of it a coloured poster, too large for indoor display, had been tacked to the wall. It depicted simply an enormous face, more than a metre wide: the face of a man of about forty-five, with a heavy black moustache and ruggedly handsome features. Winston made for the stairs. It was no use trying the lift. Even at the best of times it was seldom working, and at present the electric current was cut off during daylight hours. It was part of the economy drive in preparation for Hate Week. The flat was seven flights up, and Winston, who was thirty-nine and had a varicose ulcer above his right ankle, went slowly, resting several times on the way. On each landing, opposite the lift-shaft, the poster with the enormous face gazed from the wall. It was one of those pictures which are

8 pt

YOU WILL REJOICE TO HEAR THAT no disaster has accompanied the commencement of an enterprise which you have regarded with such evil forebodings. I arrived here yesterday, and my first task is to assure my dear sister of my welfare and increasing confidence in the success of my undertaking. I am already far north of London, and as I walk in the streets of Petersburg, I feel a cold northern breeze play upon my cheeks, which braces my nerves and fills me with delight. Do you understand this feeling? This breeze, which has travelled from the regions towards which I am advancing, gives me a foretaste of those icy climes. Inspired by this wind of promise, my daydreams become more fervent and vivid. I try in vain to be persuaded that the pole is the seat of frost and desolation; it ever presents itself to my imagination as the region of beauty and delight. There, Margaret, the sun is for ever visible, its broad disk just skirting the horizon and diffusing a perpetual splendour. There—for with your leave, my sister, I will put some trust in preceding navigators—there snow and frost are banished; and, sailing over a calm sea, we may be wafted to a land surpassing in wonders and in beauty every region hitherto discovered on the habitable globe. Its productions and features may be without example, as the phenomena of the heavenly bodies undoubtedly are in those

130 pt

FUTURE

96 pt

Lightyears

75 pt

New America
Exhibition Set

56 pt

RACE-CONDITION
edlisfrædi svigrúm
Összegyűjtését 32

48 pt

GIVEN THE CONTEXT,
Astronomical Scales!
New York Subway ?
EMERGENCY EXIT !5

125 pt

**SOL-76 Atmospheric Shields:
OPTION C: RELATIVE**

48 pt

32 pt

When We All Fall Asleep, Where Do We Go? (2019) Darkroom, / Interscope Records

12 pt

3 MAY. BISTRITZ. — LEFT MUNICH AT 8:35 P.M., on 1st May, arriving at Vienna early next morning; should have arrived at 6:46, but train was an hour late. Buda-Pesth seems a wonderful place, from the glimpse which I got of it from the train and the little I could walk through the streets. I feared to go very far from the station, as we had arrived late and would start as near the correct time as possible. The impression I had was that we were leaving the West and entering the East; the most western of splendid bridges over the Danube, which is here of noble width and depth, took us among the traditions of Turkish rule. We left in pretty good time, and came after nightfall to Klausenburgh. Here I stopped for the night at the Hotel Royale. I had for dinner, or rather supper, a chicken done up some way with red pepper, which was very good but thirsty. (Mem., get recipe for Mina.) I asked the waiter, and he said it was called “paprika hendl,” and that, as it was a national dish, I should be able to get it anywhere along the Carpathians. I found my smattering of German very useful here; indeed, I don’t know how I should be able to get on without it. Having had some time at my disposal when in London, I had visited the British Museum, and made search among

340 pt



130 pt

Real Life

96 pt

Mechanics

75 pt

omega edition
ZERO—GRAV

56 pt

214JRÜPHIECİBA

Graphic Designers

second level curve

48 pt

CORNER RADIUS 47.1

§ 3. Desktop Licenses

depressurizing airlock

FIGHT-TECH USA, Inc

125 pt

Climate

48 pt

MODERATION LIMITS
Decorative Additions

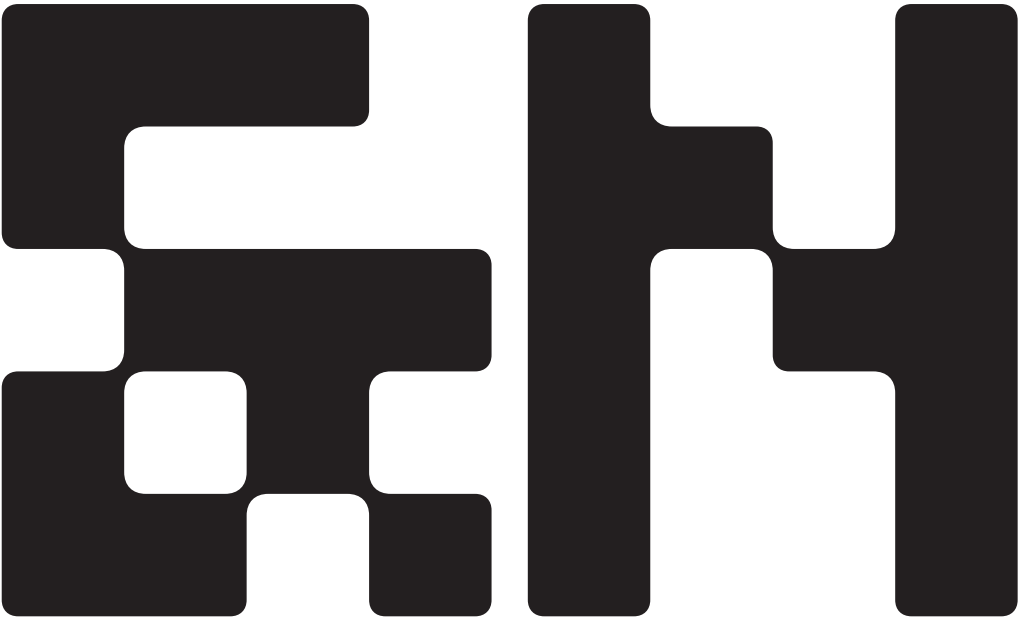
32 pt

Set in 2052, where players compete in the F3600 Anti-Gravity Racing League, the

12 pt

3 MAY. BISTRITZ. — LEFT MUNICH AT 8:35 P.M., on 1st May, arriving at Vienna early next morning; should have arrived at 6:46, but train was an hour late. Buda-Pesth seems a wonderful place, from the glimpse which I got of it from the train and the little I could walk through the streets. I feared to go very far from the station, as we had arrived late and would start as near the correct time as possible. The impression I had was that we were leaving the West and entering the East; the most western of splendid bridges over the Danube, which is here of noble width and depth, took us among the traditions of Turkish rule. We left in pretty good time, and came after nightfall to Klausenburgh. Here I stopped for the night at the Hotel Royale. I had for dinner, or rather supper, a chicken done up some way with red pepper, which was very good but thirsty. (Mem., get recipe for Mina.) I asked the waiter, and he said it was called “paprika hendl,” and that, as it was a national dish, I should be able to get it anywhere along the Carpathians. I found my smattering of German very useful here; indeed, I don’t know how I should be able to get on without it. Having had some time at my disposal when in London, I had visited the British Museum, and made search among

340 pt



130 pt

Optically

96 pt

TATE MON

75 pt

digital effects
Gaussian Blur

56 pt

ORKNEYERNE →
FUNCTIONALISTS
DVD/R Rewritable

48 pt

→ Racing →→ Line →→
Uninterrupted Relays
MOVE TO RED ALERT
(and change the bulb)

125 pt

ORBITS

48 pt

42% abv High Quality
THE HINEFOLD STAR

32 pt

LMP (EAGLE): Contact light. Okay, engine stop. ACA out of detent. (ARMSTRONG)

12 pt

3 MAY. BISTRITZ. — LEFT MUNICH AT 8:35 P.M., on 1st May, arriving at Vienna early next morning; should have arrived at 6:46, but train was an hour late. Buda-Pesth seems a wonderful place, from the glimpse which I got of it from the train and the little I could walk through the streets. I feared to go very far from the station, as we had arrived late and would start as near the correct time as possible. The impression I had was that we were leaving the West and entering the East; the most western of splendid bridges over the Danube, which is here of noble width and depth, took us among the traditions of Turkish rule. We left in pretty good time, and came after nightfall to Klausenburgh. Here I stopped for the night at the Hotel Royale. I had for dinner, or rather supper, a chicken done up some way with red pepper, which was very good but thirsty. (Mem., get recipe for Mina.) I asked the waiter, and he said it was called "paprika hendl," and that, as it was a national dish, I should be able to get it anywhere along the Carpathians. I found my smattering of German very useful here; indeed, I don't know how I should be able to get on without it. Having had some time at my disposal when in London, I had visited the British Museum, and made search among

340 pt



Supported Languages

| | | | |
|-----------|----------------|-------------------|-----------------|
| Afrikaans | Icelandic | Maori | Somali |
| Albanian | Ido | Morisyen | South Ndebele |
| Asu | Inari Sami | North Ndebele | Southern Sotho |
| Basque | Indonesian | Northern Sami | Spanish |
| Bemba | Interlingua | Northern Sotho | Swahili |
| Bena | Irish | Norwegian Bokmål | Swati |
| Bosnian | Italian | Norwegian Nynorsk | Swedish |
| Catalan | Javanese | Nyanja | Swiss German |
| Cebuano | Jju | Nyankole | Taita |
| Chiga | Jola-Fonyi | Occitan | Taroko |
| Cognian | Kabuverdianu | Oromo | Teso |
| Cornish | Kalenjin | Polish | Tsonga |
| Corsican | Kinyarwanda | Portuguese | Tswana |
| Croatian | Kurdish | Romanian | Turkish |
| Czech | Latvian | Romansh | Turkmen |
| Danish | Lithuanian | Rombo | Upper Sorbian |
| Dutch | Lojban | Rundi | Vunjo |
| English | Low German | Rwa | Walloon |
| Estonian | Lower Sorbian | Samburu | Welsh |
| Faroese | Luo | Sango | Western Frisian |
| Filipino | Luxembourgish | Sangu | Wolof |
| Finnish | Luyia | Sardinian | Xhosa |
| French | Machame | Scottish Gaelic | Zulu |
| Friulian | Makhuwa-Meetto | Sena | |
| Galician | Makonde | Shambala | |
| Ganda | Malagasy | Shona | |
| German | Malay | Slovak | |
| Gusii | Maltese | Slovenian | |
| Hungarian | Manx | Soga | |

Details

| | |
|-------------|---|
| Designed By | Rutherford Craze |
| Released | February 2020 |
| Styles | 7 |
| Glyphs | 432 |
| Formats | OTF, WOFF, WOFF2 |
| Licensing | Desktop & Web (other applications on request) |
| Copyright | This specimen is intended for informational purposes only. No part of it may be reproduced without the prior written permission of Mass-Driver, except as necessary to evaluate the typeface. MD Eight may be used only as permitted by the terms of the Mass-Driver End User License Agreement (EULA). https://mass-driver.com/licensing |